

## ภาคผนวก 70

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ผลการตรวจวัดระดับเสียง

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAA799  
**Report Date** : May 31, 2023  
**Measured By** : Mr.Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
17:00-18:00	59.0	78.1	60.2	59.5	58.7	58.3
18:00-19:00	59.4	78.6	60.9	59.8	58.9	58.6
19:00-20:00	59.5	80.6	60.1	59.8	59.3	59.1
20:00-21:00	59.5	63.4	59.9	59.8	59.3	59.1
21:00-22:00	59.3	70.9	60.1	59.8	59.1	58.8
22:00-23:00	59.2	74.1	59.6	59.5	59.0	58.8
23:00-00:00	58.9	62.4	59.4	59.2	58.8	58.4
00:00-01:00	58.6	68.9	59.1	58.9	58.5	58.2
01:00-02:00	58.4	61.8	58.8	58.7	58.3	58.0
02:00-03:00	58.4	62.5	58.8	58.7	58.2	58.0
03:00-04:00	58.4	61.3	58.9	58.7	58.2	58.0
04:00-05:00	59.0	73.7	61.0	59.3	58.8	58.5
05:00-06:00	58.9	64.3	59.6	59.4	58.7	58.4
06:00-07:00	58.8	83.2	59.9	59.4	58.6	58.2
07:00-08:00	59.2	75.0	60.3	59.7	58.8	58.4
08:00-09:00	60.7	74.4	62.8	62.0	59.9	58.8
09:00-10:00	63.2	82.5	66.6	65.1	62.5	60.6
10:00-11:00	60.3	71.7	62.0	61.1	59.8	59.3
11:00-12:00	59.6	76.8	60.6	60.3	59.2	58.8
12:00-13:00	59.1	66.5	60.2	59.8	58.9	58.4
13:00-14:00	59.9	71.0	61.3	60.8	59.7	58.8
14:00-15:00	60.6	78.8	61.6	61.4	60.0	59.3
15:00-16:00	60.5	72.2	62.0	61.7	60.0	59.0
16:00-17:00	58.9	72.0	59.8	59.4	58.8	58.3
24 Hours Measurement	59.6	83.2	61.0	60.4	59.3	58.7
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	65.4	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwannapa)  
Laboratory Reviewer



(Ms. Thanida Bunrungrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAA799  
**Report Date** : May 31, 2023  
**Measured By** : Mr.Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
17:00-18:00	59.0	68.8	59.7	59.4	58.8	58.5
18:00-19:00	59.4	81.1	60.3	59.8	59.1	58.8
19:00-20:00	59.4	78.6	60.0	59.8	59.1	58.7
20:00-21:00	59.4	76.2	60.4	59.8	59.1	58.9
21:00-22:00	59.0	65.3	59.4	59.3	58.9	58.7
22:00-23:00	59.0	63.1	59.5	59.4	58.9	58.6
23:00-00:00	58.8	63.9	59.2	59.1	58.6	58.4
00:00-01:00	58.6	63.9	59.1	58.9	58.5	58.2
01:00-02:00	58.4	62.3	58.8	58.7	58.3	58.1
02:00-03:00	58.4	61.2	58.8	58.7	58.3	58.0
03:00-04:00	58.3	61.3	58.8	58.6	58.2	58.0
04:00-05:00	58.8	75.4	61.6	59.6	58.6	58.3
05:00-06:00	58.7	71.0	59.6	59.1	58.5	58.2
06:00-07:00	58.8	68.1	60.1	59.6	58.5	58.2
07:00-08:00	58.9	74.8	60.2	59.5	58.6	58.2
08:00-09:00	58.6	71.7	59.6	59.1	58.4	58.0
09:00-10:00	59.0	74.5	59.9	59.5	58.8	58.3
10:00-11:00	59.4	73.1	61.3	60.4	58.9	58.4
11:00-12:00	59.5	74.4	61.1	60.4	59.0	58.6
12:00-13:00	59.5	76.7	60.7	60.3	59.0	58.6
13:00-14:00	58.8	67.2	59.7	59.3	58.6	58.3
14:00-15:00	59.5	81.2	60.8	60.2	58.5	58.5
15:00-16:00	59.0	74.9	60.1	59.4	58.7	58.3
16:00-17:00	59.9	76.4	61.9	60.9	59.2	58.5
24 Hours Measurement	59.0	81.2	60.1	59.6	58.7	58.4
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	65.1	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwannapa)  
Laboratory Reviewer



(Ms. Thanida Bunrungrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** : May 19-20, 2023  
**Measured By** : Mr. Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Analysis No.** : 2023-AB952-030  
**Quotation No.** : 2023-00675  
**Report No.** : 2023-RAA799  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
17:00-18:00	58.6	69.9	59.6	59.1	58.4
18:00-19:00	59.3	83.3	60.1	59.7	59.0
19:00-20:00	59.5	72.0	60.1	59.8	59.4
20:00-21:00	59.4	79.7	60.3	59.8	59.1
21:00-22:00	59.4	67.8	60.4	60.0	59.2
22:00-23:00	59.3	66.8	60.1	59.7	59.1
23:00-00:00	59.0	64.1	59.8	59.5	58.9
00:00-01:00	58.6	67.1	59.3	59.0	58.5
01:00-02:00	58.3	61.7	58.8	58.7	58.2
02:00-03:00	58.3	68.0	58.7	58.6	58.1
03:00-04:00	58.2	60.8	58.7	58.6	58.1
04:00-05:00	58.8	75.1	61.3	59.1	58.3
05:00-06:00	58.6	67.9	59.5	59.1	58.5
06:00-07:00	58.8	67.8	60.2	59.5	58.5
07:00-08:00	58.9	82.3	59.9	59.4	58.6
08:00-09:00	61.4	76.0	64.0	63.4	60.8
09:00-10:00	62.1	81.5	66.2	65.1	61.5
10:00-11:00	59.8	75.8	62.3	60.7	59.0
11:00-12:00	58.9	65.7	59.4	59.3	58.7
12:00-13:00	59.0	67.9	59.8	59.4	58.8
13:00-14:00	59.0	79.9	60.2	59.7	58.7
14:00-15:00	58.7	78.4	59.6	59.3	58.4
15:00-16:00	58.7	64.4	59.3	59.1	58.5
16:00-17:00	59.1	75.7	60.1	59.6	58.4
24 Hours Measurement	59.3	83.3	60.7	60.1	59.0
Standard <sup>1)</sup>	70	115	-	-	-
Ldn	65.2	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunrungrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** : May 18-19, 2023  
**Measured By** : Mr. Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Analysis No.** : 2023-AB952-030  
**Quotation No.** : 2023-00675  
**Report No.** : 2023-RAA799  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
17:00-18:00	58.7	69.3	59.5	59.2	58.6
18:00-19:00	59.4	75.6	60.2	59.7	58.7
19:00-20:00	59.5	81.9	60.1	59.8	59.2
20:00-21:00	59.4	66.1	59.9	59.7	59.2
21:00-22:00	59.1	75.9	59.7	59.5	58.7
22:00-23:00	59.0	61.6	59.4	59.3	58.9
23:00-00:00	58.7	62.9	59.2	59.0	58.6
00:00-01:00	58.3	66.2	59.1	58.7	58.2
01:00-02:00	58.1	67.9	58.5	58.4	58.0
02:00-03:00	58.1	62.2	58.5	58.4	57.8
03:00-04:00	58.2	73.8	59.0	58.5	58.1
04:00-05:00	58.4	65.4	58.9	58.7	58.3
05:00-06:00	58.7	71.1	59.7	59.2	58.2
06:00-07:00	58.6	67.8	59.3	59.0	58.4
07:00-08:00	59.0	82.5	60.7	59.8	58.0
08:00-09:00	58.9	77.9	60.7	59.4	57.9
09:00-10:00	61.4	72.4	63.5	62.5	60.3
10:00-11:00	59.8	73.4	60.9	60.5	59.0
11:00-12:00	60.4	80.9	62.0	61.4	59.3
12:00-13:00	59.2	68.5	60.5	60.1	58.3
13:00-14:00	59.8	70.4	61.7	61.1	58.4
14:00-15:00	58.7	66.7	59.8	59.3	58.1
15:00-16:00	59.1	78.0	60.6	59.8	58.2
16:00-17:00	58.6	70.0	59.4	59.1	58.1
24 Hours Measurement	59.1	82.5	60.2	59.7	58.4
Standard <sup>1)</sup>	70	115	-	-	-
Ldn	65.0	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunrungrueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** : May 20-21, 2023  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAAJ799  
**Report Date** : May 31, 2023  
**Measured By** : Mr.Romsae Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
17:00-18:00	59.1	67.5	60.5	59.9	58.5
18:00-19:00	59.2	78.1	60.1	59.7	58.7
19:00-20:00	59.5	68.4	60.2	59.9	59.0
20:00-21:00	59.4	66.9	60.0	59.8	59.2
21:00-22:00	59.2	68.9	59.8	59.5	58.7
22:00-23:00	58.9	64.5	59.4	59.3	58.8
23:00-00:00	58.8	70.0	59.3	59.1	58.7
00:00-01:00	58.4	66.9	58.9	58.7	57.9
01:00-02:00	58.1	64.0	58.6	58.4	57.9
02:00-03:00	58.0	64.2	58.4	58.2	57.8
03:00-04:00	58.2	61.0	58.5	58.4	57.8
04:00-05:00	58.3	74.3	59.4	58.6	58.1
05:00-06:00	58.5	78.7	62.1	59.1	58.3
06:00-07:00	58.8	81.6	60.3	59.4	58.4
07:00-08:00	58.1	71.0	59.0	58.5	57.6
08:00-09:00	58.4	69.1	59.4	58.9	57.8
09:00-10:00	58.2	72.1	59.1	58.6	57.6
10:00-11:00	58.0	69.9	58.6	58.4	57.5
11:00-12:00	58.0	69.4	58.9	58.5	57.4
12:00-13:00	57.8	70.6	58.6	58.3	57.3
13:00-14:00	57.6	67.5	58.4	58.0	57.1
14:00-15:00	59.9	70.7	62.6	61.8	57.6
15:00-16:00	59.5	67.1	61.6	61.0	57.8
16:00-17:00	59.8	76.2	62.9	61.5	57.8
24 Hours Measurement	58.7	81.6	60.0	59.4	58.0
Standard <sup>1)</sup>	70	115	-	-	-
Ldn	64.9	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms.Supawan Suwannapa)  
Laboratory Reviewer

(Ms.Thanida Bunnungruang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** : May 21-22, 2023  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAAJ799  
**Report Date** : May 31, 2023  
**Measured By** : Mr.Romsae Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
17:00-18:00	60.7	86.0	63.4	61.6	59.7
18:00-19:00	59.2	67.7	60.0	59.7	58.6
19:00-20:00	61.4	82.6	63.4	62.4	60.9
20:00-21:00	60.6	78.5	62.4	61.5	60.1
21:00-22:00	59.3	70.6	59.9	59.7	59.1
22:00-23:00	59.1	64.3	59.6	59.4	58.7
23:00-00:00	58.7	67.4	59.2	59.0	58.6
00:00-01:00	58.9	65.9	59.5	59.3	58.8
01:00-02:00	58.8	61.8	59.2	59.1	58.6
02:00-03:00	58.3	62.1	58.7	58.5	58.1
03:00-04:00	58.2	62.1	58.5	58.4	57.8
04:00-05:00	58.8	73.9	59.5	59.1	58.6
05:00-06:00	58.9	67.7	60.2	59.4	58.7
06:00-07:00	59.0	68.0	60.1	59.7	58.7
07:00-08:00	59.4	73.5	60.7	60.0	59.0
08:00-09:00	59.1	79.8	60.5	59.6	58.8
09:00-10:00	59.4	77.1	60.7	60.1	59.0
10:00-11:00	59.3	70.8	60.6	60.0	59.0
11:00-12:00	59.1	69.3	60.0	59.6	58.5
12:00-13:00	60.2	73.1	62.3	61.5	59.8
13:00-14:00	60.0	70.8	61.9	61.2	59.7
14:00-15:00	59.1	78.8	59.8	59.5	58.9
15:00-16:00	59.0	67.1	59.7	59.4	58.6
16:00-17:00	59.5	78.1	60.5	60.0	58.8
24 Hours Measurement	59.4	86.0	60.6	60.0	59.1
Standard <sup>1)</sup>	70	115	-	-	-
Ldn	65.3	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms.Supawan Suwannapa)  
Laboratory Reviewer

(Ms.Thanida Bunnungruang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
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**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
17:00-18:00	59.7	72.1	60.8	60.3	59.5
18:00-19:00	60.4	76.4	62.8	60.9	59.4
19:00-20:00	59.4	66.6	59.9	59.7	58.9
20:00-21:00	59.1	64.1	59.7	59.5	58.7
21:00-22:00	59.1	75.0	59.5	59.3	58.9
22:00-23:00	59.0	64.6	59.4	59.2	58.6
23:00-00:00	58.7	68.6	59.1	58.9	58.3
00:00-01:00	58.4	72.8	58.9	58.7	58.0
01:00-02:00	58.3	61.0	58.7	58.6	58.0
02:00-03:00	58.2	61.5	58.6	58.5	58.1
03:00-04:00	58.2	61.2	58.6	58.5	58.1
04:00-05:00	58.6	72.4	59.2	58.9	58.4
05:00-06:00	58.8	72.4	59.8	59.1	58.5
06:00-07:00	58.6	66.6	59.2	59.0	58.5
07:00-08:00	59.0	77.6	60.0	59.4	58.6
08:00-09:00	58.9	73.2	59.8	59.4	58.7
09:00-10:00	59.3	77.2	62.6	60.5	58.8
10:00-11:00	59.3	74.7	60.9	60.2	58.9
11:00-12:00	60.1	80.4	62.5	61.2	59.0
12:00-13:00	60.4	75.4	61.7	61.3	59.3
13:00-14:00	59.8	78.9	61.0	60.6	59.5
14:00-15:00	59.0	71.5	59.7	59.4	58.5
15:00-16:00	59.3	78.3	60.6	59.7	58.7
16:00-17:00	61.8	80.2	64.9	63.8	59.7
<b>24 Hours Measurement</b>	<b>59.3</b>	<b>80.4</b>	<b>60.6</b>	<b>60.0</b>	<b>58.6</b>
<b>Standard<sup>1/</sup></b>	<b>70</b>	<b>115</b>	-	-	-
<b>Ldn</b>	<b>65.1</b>	-	-	-	-

Remark : <sup>1/</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms.Supawan Suwanapa)  
Laboratory Reviewer

(Ms.Thanida Burungrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAA797  
**Report Date** : May 31, 2023  
**Measured By** : Mr.Romsae Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level For 5 minutes, dB(A)					Noise Level For 5 minutes, dB(A)					Noise Level For 5 minutes, dB(A)				
	Leq	L90	Interval Time	Leq	L90	Interval Time	Leq	L90	Interval Time	Leq	L90	Interval Time	Leq	L90	Interval Time
17:00-17:05	59.3	58.8	20:00-20:05	59.1	58.8	23:00-23:05	59.1	58.8	02:00-02:05	58.5	58.2	05:00-05:05	58.5	58.2	08:00-08:05
17:05-17:10	59.1	58.7	20:05-20:10	59.2	58.9	23:05-23:10	58.9	58.5	02:05-02:10	58.6	58.2	05:05-05:10	58.5	58.1	08:05-08:10
17:10-17:15	59.4	58.9	20:10-20:15	59.3	59.0	23:10-23:15	58.8	58.4	02:10-02:15	58.5	58.1	05:10-05:15	58.4	58.0	08:10-08:15
17:15-17:20	59.1	58.6	20:15-20:20	59.2	58.9	23:15-23:20	58.9	58.6	02:15-02:20	58.5	58.1	05:15-05:20	58.4	58.0	08:15-08:20
17:20-17:25	59.4	58.8	20:20-20:25	59.2	58.9	23:20-23:25	59.0	58.6	02:20-02:25	58.4	58.0	05:20-05:25	58.3	57.9	08:20-08:25
17:25-17:30	59.1	58.5	20:25-20:30	59.1	58.8	23:25-23:30	58.7	58.3	02:25-02:30	58.3	58.0	05:25-05:30	58.3	58.0	08:25-08:30
17:30-17:35	58.7	58.2	20:30-20:35	59.2	58.8	23:30-23:35	58.7	58.4	02:30-02:35	58.4	58.0	05:30-05:35	58.3	58.0	08:30-08:35
17:35-17:40	58.6	58.2	20:35-20:40	59.2	58.9	23:35-23:40	58.6	58.2	02:35-02:40	58.3	58.0	05:35-05:40	58.3	58.0	08:35-08:40
17:40-17:45	58.7	58.3	20:40-20:45	59.8	58.9	23:40-23:45	58.7	58.2	02:40-02:45	58.4	58.0	05:40-05:45	58.3	58.0	08:40-08:45
17:45-17:50	58.8	58.4	20:45-20:50	60.1	59.6	23:45-23:50	58.6	58.3	02:45-02:50	58.3	58.0	05:45-05:50	58.3	58.0	08:45-08:50
17:50-17:55	58.7	58.4	20:50-20:55	60.2	58.7	23:50-23:55	58.6	58.3	02:50-02:55	58.3	57.9	05:50-05:55	58.3	58.0	08:50-08:55
17:55-18:00	58.9	58.5	20:55-21:00	59.0	58.6	23:55-00:00	58.6	58.2	02:55-03:00	58.3	57.9	05:55-06:00	58.2	57.9	08:55-09:00
18:00-18:05	59.1	58.6	21:00-21:05	58.9	58.6	00:00-00:05	58.6	58.3	03:00-03:05	58.2	57.9	06:00-06:05	58.2	57.9	09:00-09:05
18:05-18:10	59.2	58.6	21:05-21:10	59.1	58.7	00:05-00:10	58.6	58.2	03:05-03:10	58.3	58.0	06:05-06:10	58.3	58.0	09:05-09:10
18:10-18:15	59.1	58.6	21:10-21:15	59.0	58.7	00:10-00:15	58.5	58.1	03:10-03:15	58.4	58.0	06:10-06:15	58.4	58.0	09:10-09:15
18:15-18:20	59.0	58.5	21:15-21:20	59.0	58.7	00:15-00:20	58.6	58.1	03:15-03:20	58.4	58.0	06:15-06:20	58.4	58.0	09:15-09:20
18:20-18:25	58.8	58.4	21:20-21:25	59.1	58.8	00:20-00:25	58.5	58.1	03:20-03:25	58.3	58.0	06:20-06:25	58.3	58.0	09:20-09:25
18:25-18:30	59.1	58.5	21:25-21:30	59.0	58.7	00:25-00:30	58.6	58.1	03:25-03:30	58.3	58.0	06:25-06:30	58.2	57.9	09:25-09:30
18:30-18:35	59.6	58.7	21:30-21:35	59.0	58.7	00:30-00:35	58.5	58.2	03:30-03:35	58.2	57.9	06:30-06:35	58.2	57.9	09:30-09:35
18:35-18:40	59.2	58.8	21:35-21:40	59.0	58.6	00:35-00:40	58.6	58.2	03:35-03:40	58.3	58.0	06:35-06:40	58.3	58.0	09:35-09:40
18:40-18:45	59.3	58.9	21:40-21:45	59.1	58.8	00:40-00:45	58.7	58.3	03:40-03:45	58.4	58.0	06:40-06:45	58.4	58.0	09:40-09:45
18:45-18:50	60.1	59.2	21:45-21:50	59.0	58.6	00:45-00:50	58.7	58.3	03:45-03:50	58.3	58.0	06:45-06:50	58.3	58.0	09:45-09:50
18:50-18:55	59.8	59.1	21:50-21:55	59.0	58.6	00:50-00:55	58.8	58.4	03:50-03:55	58.4	58.1	06:50-06:55	58.4	58.1	09:50-09:55
18:55-19:00	59.9	59.3	21:55-22:00	59.0	58.7	00:55-01:00	58.6	58.3	03:55-04:00	58.4	58.0	06:55-07:00	58.4	58.0	09:55-10:00
19:00-19:05	60.3	59.4	22:00-22:05	58.9	58.5	01:00-01:05	58.6	58.2	04:00-04:05	59.3	58.2	07:00-07:05	58.2	57.9	10:00-10:05
19:05-19:10	59.8	59.2	22:05-22:10	59.1	58.8	01:05-01:10	58.4	58.0	04:05-04:10	58.4	58.1	07:05-07:10	58.4	58.1	10:05-10:10
19:10-19:15	59.2	58.8	22:10-22:15	59.2	58.7	01:10-01:15	58.3	58.0	04:10-04:15	58.4	58.1	07:10-07:15	58.4	58.1	10:10-10:15
19:15-19:20	59.3	58.9	22:15-22:20	59.1	58.7	01:15-01:20	58.4	58.0	04:15-04:20	58.6	58.2	07:15-07:20	58.6	58.2	10:15-10:20
19:20-19:25	59.9	58.2	22:20-22:25	59.0	58.6	01:20-01:25	58.4	58.1	04:20-04:25	58.8	58.4	07:20-07:25	58.8	58.4	10:20-10:25
19:25-19:30	60.5	58.8	22:25-22:30	58.8	58.4	01:25-01:30	58.4	58.1	04:25-04:30	58.9	58.4	07:25-07:30	58.9	58.4	10:25-10:30
19:30-19:35	59.1	58.7	22:30-22:35	58.8	58.5	01:30-01:35	58.3	58.0	04:30-04:35	58.8	58.4	07:30-07:35	58.8	58.4	10:30-10:35
19:35-19:40	59.0	58.6	22:35-22:40	58.9	58.6	01:35-01:40	58.4	58.1	04:35-04:40	58.7	58.3	07:35-07:40	58.7	58.3	10:35-10:40
19:40-19:45	59.0	58.5	22:40-22:45	59.0	58.6	01:40-01:45	58.4	58.1	04:40-04:45	58.9	58.3	07:40-07:45	58.9	58.3	10:40-10:45
19:45-19:50	59.0	58.6	22:45-22:50	59.2	58.7	01:45-01:50	58.4	58.1	04:45-04:50	58.9	58.4	07:45-07:50	58.9	58.4	10:45-10:50
19:50-19:55	58.9	58.5	22:50-22:55	59.1	58.7	01:50-01:55	58.5	58.1	04:50-04:55	58.9	58.3	07:50-07:55	58.9	58.3	10:50-10:55
19:55-20:00	59.1	58.6	22:55-23:00	59.1	58.8	01:55-02:00	58.5	58.1	04:55-05:00	58.7	58.3	07:55-08:00	58.7	58.3	10:55-11:00



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** :May 17, 2023  
**Measured By** :Mr.Romsae Kateh  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Analysis No.** :2023-AB952-030  
**Report No.** :2023-RAAJ797  
**Report Date** :May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
05:00-05:05	58.7	58.3	08:00-08:05	58.6	58.0	11:00-11:05	58.6	58.2	14:00-14:05	58.7	58.3
05:05-05:10	58.7	58.3	08:05-08:10	58.4	58.0	11:05-11:10	58.6	58.2	14:05-14:10	59.0	58.2
05:10-05:15	59.1	58.3	08:10-08:15	58.3	58.0	11:10-11:15	59.2	58.2	14:10-14:15	60.3	58.4
05:15-05:20	58.6	58.3	08:15-08:20	58.6	58.1	11:15-11:20	58.6	58.3	14:15-14:20	59.4	59.0
05:20-05:25	58.8	58.2	08:20-08:25	58.5	58.0	11:20-11:25	59.1	58.4	14:20-14:25	59.7	59.2
05:25-05:30	58.6	58.1	08:25-08:30	59.0	57.9	11:25-11:30	58.8	58.4	14:25-14:30	60.1	59.0
05:30-05:35	58.6	58.2	08:30-08:35	58.1	57.7	11:30-11:35	58.7	58.3	14:30-14:35	60.9	58.6
05:35-05:40	58.7	58.1	08:35-08:40	58.3	57.7	11:35-11:40	59.2	58.4	14:35-14:40	59.0	58.2
05:40-05:45	58.7	58.1	08:40-08:45	59.5	58.2	11:40-11:45	59.1	58.6	14:40-14:45	59.5	58.3
05:45-05:50	58.6	58.1	08:45-08:50	58.3	57.8	11:45-11:50	60.7	59.3	14:45-14:50	58.7	58.1
05:50-05:55	58.6	58.1	08:50-08:55	58.5	57.9	11:50-11:55	61.9	59.5	14:50-14:55	58.9	58.3
05:55-06:00	58.6	58.1	08:55-09:00	58.9	58.1	11:55-12:00	59.7	58.8	14:55-15:00	58.9	58.5
06:00-06:05	58.5	58.1	09:00-09:05	59.6	58.8	12:00-12:05	59.3	58.7	15:00-15:05	58.9	58.2
06:05-06:10	58.6	58.1	09:05-09:10	59.0	58.2	12:05-12:10	59.5	59.1	15:05-15:10	58.8	58.4
06:10-06:15	59.0	58.2	09:10-09:15	58.4	57.9	12:10-12:15	60.3	59.0	15:10-15:15	58.7	58.2
06:15-06:20	59.2	58.3	09:15-09:20	59.4	58.2	12:15-12:20	60.9	58.6	15:15-15:20	60.0	59.3
06:20-06:25	58.5	58.1	09:20-09:25	58.6	58.2	12:20-12:25	58.8	58.3	15:20-15:25	60.3	58.5
06:25-06:30	58.7	58.2	09:25-09:30	58.4	58.0	12:25-12:30	60.4	59.0	15:25-15:30	58.7	58.0
06:30-06:35	59.1	58.2	09:30-09:35	58.7	58.0	12:30-12:35	58.9	58.3	15:30-15:35	58.4	58.0
06:35-06:40	58.7	58.1	09:35-09:40	59.0	58.5	12:35-12:40	58.9	58.5	15:35-15:40	58.4	58.0
06:40-06:45	58.7	58.1	09:40-09:45	59.5	58.6	12:40-12:45	59.0	58.6	15:40-15:45	58.8	58.3
06:45-06:50	58.4	58.1	09:45-09:50	59.2	58.5	12:45-12:50	59.0	58.5	15:45-15:50	59.1	58.3
06:50-06:55	58.7	58.2	09:50-09:55	59.3	58.6	12:50-12:55	59.1	58.3	15:50-15:55	58.5	58.1
06:55-07:00	59.2	58.2	09:55-10:00	59.0	58.5	12:55-13:00	58.9	58.5	15:55-16:00	58.7	58.3
07:00-07:05	58.5	58.1	10:00-10:05	60.9	58.6	13:00-13:05	58.9	58.4	16:00-16:05	58.6	58.1
07:05-07:10	58.4	58.1	10:05-10:10	59.2	58.4	13:05-13:10	59.1	58.5	16:05-16:10	60.1	58.2
07:10-07:15	58.9	58.3	10:10-10:15	60.4	58.2	13:10-13:15	58.9	58.4	16:10-16:15	58.9	58.5
07:15-07:20	58.8	58.2	10:15-10:20	59.5	58.4	13:15-13:20	58.8	58.5	16:15-16:20	59.2	58.6
07:20-07:25	59.2	58.2	10:20-10:25	58.6	58.2	13:20-13:25	58.7	58.3	16:20-16:25	59.4	58.6
07:25-07:30	58.7	58.1	10:25-10:30	59.2	58.6	13:25-13:30	58.9	58.3	16:25-16:30	59.3	58.5
07:30-07:35	59.3	58.3	10:30-10:35	59.1	58.6	13:30-13:35	59.1	58.3	16:30-16:35	58.7	58.1
07:35-07:40	59.1	58.2	10:35-10:40	59.1	58.4	13:35-13:40	58.8	58.2	16:35-16:40	58.9	58.4
07:40-07:45	58.9	58.2	10:40-10:45	59.1	58.5	13:40-13:45	58.7	58.1	16:40-16:45	59.2	58.3
07:45-07:50	59.4	58.1	10:45-10:50	59.1	58.4	13:45-13:50	58.8	58.0	16:45-16:50	61.1	58.8
07:50-07:55	59.1	58.3	10:50-10:55	58.9	58.4	13:50-13:55	58.6	58.1	16:50-16:55	61.3	58.6
07:55-08:00	58.7	58.2	10:55-11:00	58.7	58.2	13:55-14:00	58.5	58.1	16:55-17:00	62.0	59.1

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** :May 17-18, 2023  
**Measured By** :Mr.Romsae Kateh  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Analysis No.** :2023-AB952-030  
**Report No.** :2023-RAAJ797  
**Report Date** :May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
17:00-17:05	59.5	58.4	20:00-20:05	59.6	59.3	23:00-23:05	59.1	58.7	02:00-02:05	58.5	58.1
17:05-17:10	58.9	58.5	20:05-20:10	59.8	59.4	23:05-23:10	59.1	58.7	02:05-02:10	58.5	58.2
17:10-17:15	59.2	58.4	20:10-20:15	59.6	59.2	23:10-23:15	59.2	58.8	02:10-02:15	58.5	58.1
17:15-17:20	59.4	58.2	20:15-20:20	59.6	59.2	23:15-23:20	59.2	58.8	02:15-02:20	58.6	58.2
17:20-17:25	58.8	58.2	20:20-20:25	59.6	59.2	23:20-23:25	59.1	58.6	02:20-02:25	58.4	58.1
17:25-17:30	59.0	58.4	20:25-20:30	59.5	59.0	23:25-23:30	59.0	58.5	02:25-02:30	58.3	57.9
17:30-17:35	58.8	58.4	20:30-20:35	59.2	58.8	23:30-23:35	58.7	58.3	02:30-02:35	58.3	57.9
17:35-17:40	59.0	58.3	20:35-20:40	59.2	58.8	23:35-23:40	58.6	58.1	02:35-02:40	58.3	57.9
17:40-17:45	58.8	58.3	20:40-20:45	59.4	59.0	23:40-23:45	58.6	58.2	02:40-02:45	58.2	57.9
17:45-17:50	58.7	58.3	20:45-20:50	59.3	59.0	23:45-23:50	58.8	58.3	02:45-02:50	58.2	57.9
17:50-17:55	58.7	58.3	20:50-20:55	59.4	59.0	23:50-23:55	58.5	58.0	02:50-02:55	58.2	57.8
17:55-18:00	59.0	58.4	20:55-21:00	59.3	58.9	23:55-00:00	58.5	58.1	02:55-03:00	58.2	57.8
18:00-18:05	58.6	58.3	21:00-21:05	60.5	58.9	00:00-00:05	58.4	58.1	03:00-03:05	58.3	57.8
18:05-18:10	59.4	58.5	21:05-21:10	59.3	58.9	00:05-00:10	58.6	58.2	03:05-03:10	58.4	58.0
18:10-18:15	58.6	58.3	21:10-21:15	59.3	58.9	00:10-00:15	58.5	58.2	03:10-03:15	58.3	57.9
18:15-18:20	58.9	58.3	21:15-21:20	59.2	58.7	00:15-00:20	58.5	58.1	03:15-03:20	58.3	58.0
18:20-18:25	58.9	58.3	21:20-21:25	59.2	58.8	00:20-00:25	58.7	58.2	03:20-03:25	58.4	58.0
18:25-18:30	58.7	58.4	21:25-21:30	59.2	58.7	00:25-00:30	58.8	58.3	03:25-03:30	58.3	58.0
18:30-18:35	58.7	58.4	21:30-21:35	59.3	58.8	00:30-00:35	59.1	58.4	03:30-03:35	58.4	58.0
18:35-18:40	58.8	58.3	21:35-21:40	59.1	58.8	00:35-00:40	58.6	58.2	03:35-03:40	58.4	58.0
18:40-18:45	60.9	58.6	21:40-21:45	59.2	58.8	00:40-00:45	58.6	58.2	03:40-03:45	58.3	58.0
18:45-18:50	59.3	58.6	21:45-21:50	59.1	58.8	00:45-00:50	58.5	58.1	03:45-03:50	58.5	58.2
18:50-18:55	59.7	59.1	21:50-21:55	59.2	58.9	00:50-00:55	58.4	58.0	03:50-03:55	58.5	58.1
18:55-19:00	61.0	59.8	21:55-22:00	59.3	58.9	00:55-01:00	58.4	58.0	03:55-04:00	58.5	58.1
19:00-19:05	60.0	59.5	22:00-22:05	59.2	58.8	01:00-01:05	58.4	58.0	04:00-04:05	58.5	58.1
19:05-19:10	59.8	59.3	22:05-22:10	59.2	58.9	01:05-01:10	58.4	58.0	04:05-04:10	58.7	58.3
19:10-19:15	60.2	59.0	22:10-22:15	59.2	58.8	01:10-01:15	58.5	58.1	04:10-04:15	59.0	58.6
19:15-19:20	59.3	58.9	22:15-22:20	59.2	58.9	01:15-01:20	58.5	58.1	04:15-04:20	59.8	58.9
19:20-19:25	59.2	58.9	22:20-22:25	59.2	58.9	01:20-01:25	58.4	58.0	04:20-04:25	59.4	59.0
19:25-19:30	59.1	58.8	22:25-22:30	59.4	58.8	01:25-01:30	58.2	57.9	04:25-04:30	59.2	58.5
19:30-19:35	59.2	58.9	22:30-22:35	59.1	58.8	01:30-01:35	58.3	57.9	04:30-04:35	58.7	58.3
19:35-19:40	59.5	59.0	22:35-22:40	59.2	58.8	01:35-01:40	58.4	58.0	04:35-04:40	58.7	58.3
19:40-19:45	59.4	59.0	22:40-22:45	59.1	58.8	01:40-01:45	58.3	57.9	04:40-04:45	58.7	58.4
19:45-19:50	59.3	59.0	22:45-22:50	58.9	58.6	01:45-01:50	58.3	57.9	04:45-04:50	58.9	58.5
19:50-19:55	59.4	59.1	22:50-22:55	59.0	58.6	01:50-01:55	58.3	57.9	04:50-04:55	59.0	58.6
19:55-20:00	59.5	59.2	22:55-23:00	59.1	58.7	01:55-02:00	58.4	58.0	04:55-05:00	58.9	58.5



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pauthumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pauthum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pauthum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** :May 18, 2023  
**Measured By** :Mr.Romsae Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAAJ797  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
05:00-05:05	58.8	58.4	08:00-08:05	59.0	58.3	14:00-14:05	62.9	61.9
05:05-05:10	58.9	58.4	08:05-08:10	59.6	58.5	14:05-14:10	62.8	61.8
05:10-05:15	59.6	59.0	08:10-08:15	59.2	58.3	14:10-14:15	63.3	61.8
05:15-05:20	58.7	58.3	08:15-08:20	59.1	58.4	14:15-14:20	62.9	61.8
05:20-05:25	58.8	58.4	08:20-08:25	58.9	58.5	14:20-14:25	62.1	57.5
05:25-05:30	58.9	58.4	08:25-08:30	58.9	58.4	14:25-14:30	58.1	57.2
05:30-05:35	58.5	58.2	08:30-08:35	59.8	58.4	14:30-14:35	58.2	57.0
05:35-05:40	58.6	58.2	08:35-08:40	63.4	58.5	14:35-14:40	58.5	57.1
05:40-05:45	58.6	58.1	08:40-08:45	63.9	61.0	14:40-14:45	57.4	56.9
05:45-05:50	58.9	58.2	08:45-08:50	61.5	58.5	14:45-14:50	58.0	57.1
05:50-05:55	58.9	58.3	08:50-08:55	60.3	58.8	14:50-14:55	57.6	56.9
05:55-06:00	59.0	58.3	08:55-09:00	60.1	58.9	14:55-15:00	57.7	56.9
06:00-06:05	59.0	58.4	09:00-09:05	63.3	59.8	15:00-15:05	58.0	57.4
06:05-06:10	59.0	58.3	09:05-09:10	64.1	60.9	15:05-15:10	58.4	57.7
06:10-06:15	58.8	58.2	09:10-09:15	63.7	60.8	15:10-15:15	57.6	57.1
06:15-06:20	58.9	58.3	09:15-09:20	66.1	62.0	15:15-15:20	57.7	57.1
06:20-06:25	58.7	58.2	09:20-09:25	65.9	59.3	15:20-15:25	58.1	57.0
06:25-06:30	58.6	58.1	09:25-09:30	60.1	58.9	15:25-15:30	62.7	57.0
06:30-06:35	58.5	58.0	09:30-09:35	61.4	60.5	15:30-15:35	63.2	62.2
06:35-06:40	58.8	58.1	09:35-09:40	61.8	60.9	15:35-15:40	62.8	62.0
06:40-06:45	58.9	58.1	09:40-09:45	61.5	60.8	15:40-15:45	63.2	62.1
06:45-06:50	58.7	58.1	09:45-09:50	61.5	60.7	15:45-15:50	60.0	57.3
06:50-06:55	58.8	58.3	09:50-09:55	62.8	60.8	15:50-15:55	57.5	57.0
06:55-07:00	58.9	58.5	09:55-10:00	61.9	60.9	15:55-16:00	58.8	57.0
07:00-07:05	58.9	58.5	10:00-10:05	62.4	60.9	16:00-16:05	59.1	58.3
07:05-07:10	58.9	58.5	10:05-10:10	61.3	60.5	16:05-16:10	58.7	58.3
07:10-07:15	59.1	58.6	10:10-10:15	60.2	58.8	16:10-16:15	59.0	58.4
07:15-07:20	59.2	58.6	10:15-10:20	59.5	58.9	16:15-16:20	59.2	58.5
07:20-07:25	59.4	58.7	10:20-10:25	59.7	59.1	16:20-16:25	59.1	58.6
07:25-07:30	60.0	58.6	10:25-10:30	60.0	59.3	16:25-16:30	59.2	58.5
07:30-07:35	59.4	58.4	10:30-10:35	60.2	59.1	16:30-16:35	59.0	58.3
07:35-07:40	59.0	58.4	10:35-10:40	60.1	59.0	16:35-16:40	58.9	58.3
07:40-07:45	58.9	58.3	10:40-10:45	60.7	59.0	16:40-16:45	58.9	58.1
07:45-07:50	59.1	58.3	10:45-10:50	59.7	58.8	16:45-16:50	59.0	58.5
07:50-07:55	58.9	58.1	10:50-10:55	59.3	58.8	16:50-16:55	58.7	58.1
07:55-08:00	59.2	58.1	10:55-11:00	59.4	58.8	16:55-17:00	58.5	58.1

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pauthumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pauthum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pauthum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** :May 18-19, 2023  
**Measured By** :Mr.Romsae Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAAJ797  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
17:00-17:05	59.0	58.3	20:00-20:05	59.3	59.0	23:00-23:05	59.0	58.6
17:05-17:10	58.7	58.2	20:05-20:10	59.6	59.2	23:05-23:10	59.0	58.7
17:10-17:15	58.9	58.2	20:10-20:15	59.4	59.1	23:10-23:15	59.1	58.7
17:15-17:20	58.6	58.2	20:15-20:20	59.3	58.9	23:15-23:20	58.9	58.5
17:20-17:25	58.8	58.2	20:20-20:25	59.4	59.0	23:20-23:25	58.9	58.4
17:25-17:30	58.6	58.2	20:25-20:30	59.4	59.0	23:25-23:30	58.7	58.4
17:30-17:35	58.7	58.2	20:30-20:35	59.5	59.1	23:30-23:35	58.8	58.3
17:35-17:40	58.9	58.2	20:35-20:40	59.2	58.8	23:35-23:40	58.6	58.1
17:40-17:45	58.7	58.3	20:40-20:45	59.2	58.8	23:40-23:45	58.4	58.0
17:45-17:50	58.5	58.2	20:45-20:50	59.3	58.9	23:45-23:50	58.3	58.0
17:50-17:55	58.8	58.3	20:50-20:55	59.4	59.0	23:50-23:55	58.2	57.8
17:55-18:00	58.7	58.3	20:55-21:00	59.4	59.0	23:55-00:00	58.3	57.8
18:00-18:05	58.7	58.2	21:00-21:05	59.5	58.9	00:00-00:05	58.3	57.9
18:05-18:10	58.7	58.3	21:05-21:10	59.1	58.7	00:05-00:10	58.3	57.9
18:10-18:15	58.8	58.4	21:10-21:15	59.1	58.7	00:10-00:15	58.1	57.8
18:15-18:20	58.7	58.3	21:15-21:20	59.1	58.7	00:15-00:20	58.6	58.0
18:20-18:25	58.6	58.2	21:20-21:25	59.0	58.6	00:20-00:25	58.7	58.1
18:25-18:30	58.7	58.3	21:25-21:30	58.9	58.6	00:25-00:30	58.6	57.8
18:30-18:35	58.8	58.4	21:30-21:35	58.9	58.5	00:30-00:35	58.5	57.9
18:35-18:40	59.5	58.5	21:35-21:40	58.9	58.4	00:35-00:40	58.2	57.9
18:40-18:45	59.5	58.6	21:40-21:45	59.1	58.7	00:40-00:45	58.2	57.9
18:45-18:50	59.9	59.0	21:45-21:50	59.3	58.9	00:45-00:50	58.1	57.7
18:50-18:55	61.4	59.7	21:50-21:55	59.1	58.7	00:50-00:55	58.1	57.8
18:55-19:00	60.2	59.6	21:55-22:00	59.2	58.8	00:55-01:00	58.2	57.8
19:00-19:05	60.1	59.5	22:00-22:05	59.0	58.7	01:00-01:05	58.3	57.8
19:05-19:10	60.9	59.3	22:05-22:10	58.9	58.6	01:05-01:10	58.1	57.8
19:10-19:15	59.4	59.0	22:10-22:15	58.9	58.6	01:10-01:15	58.2	57.8
19:15-19:20	59.3	58.9	22:15-22:20	59.1	58.7	01:15-01:20	58.1	57.8
19:20-19:25	59.3	58.9	22:20-22:25	58.9	58.6	01:20-01:25	58.1	57.7
19:25-19:30	59.1	58.7	22:25-22:30	58.9	58.6	01:25-01:30	58.1	57.8
19:30-19:35	59.1	58.6	22:30-22:35	59.0	58.6	01:30-01:35	58.1	57.8
19:35-19:40	59.3	58.9	22:35-22:40	59.0	58.7	01:35-01:40	58.2	57.8
19:40-19:45	59.2	58.8	22:40-22:45	59.1	58.7	01:40-01:45	58.0	57.7
19:45-19:50	59.2	58.8	22:45-22:50	58.9	58.5	01:45-01:50	58.1	57.7
19:50-19:55	59.2	58.9	22:50-22:55	59.0	58.6	01:50-01:55	58.1	57.8
19:55-20:00	59.2	58.9	22:55-23:00	59.0	58.6	01:55-02:00	58.0	57.7



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** :May 19, 2023  
**Measured By** :Mr.Romssea Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
05:00-05:05	58.9	58.5	08:00-08:05	58.5	57.8	11:00-11:05	59.1	58.1	14:00-14:05	58.7	58.1
05:05-05:10	59.0	58.6	08:05-08:10	58.2	57.7	11:05-11:10	58.4	57.9	14:05-14:10	58.8	58.4
05:10-05:15	58.6	58.2	08:10-08:15	58.4	57.7	11:10-11:15	59.0	58.2	14:10-14:15	58.6	58.1
05:15-05:20	58.7	58.3	08:15-08:20	58.4	57.8	11:15-11:20	60.9	58.5	14:15-14:20	58.7	58.1
05:20-05:25	59.1	58.2	08:20-08:25	58.7	58.1	11:20-11:25	61.7	61.2	14:20-14:25	58.6	58.1
05:25-05:30	58.5	58.2	08:25-08:30	58.6	58.0	11:25-11:30	58.6	58.1	14:25-14:30	58.4	58.0
05:30-05:35	58.5	58.1	08:30-08:35	60.5	57.9	11:30-11:35	59.3	58.1	14:30-14:35	58.6	58.1
05:35-05:40	58.5	58.0	08:35-08:40	59.8	57.9	11:35-11:40	61.0	58.4	14:35-14:40	59.0	58.3
05:40-05:45	58.6	58.1	08:40-08:45	58.6	57.9	11:40-11:45	62.2	61.8	14:40-14:45	59.2	58.1
05:45-05:50	58.9	58.2	08:45-08:50	58.5	57.9	11:45-11:50	63.0	62.0	14:45-14:50	58.7	58.2
05:50-05:55	58.9	58.1	08:50-08:55	58.8	58.1	11:50-11:55	60.3	58.0	14:50-14:55	59.0	58.2
05:55-06:00	58.5	58.1	08:55-09:00	58.9	58.1	11:55-12:00	58.4	58.0	14:55-15:00	58.4	57.9
06:00-06:05	58.2	57.9	09:00-09:05	60.3	58.6	12:00-12:05	58.2	57.7	15:00-15:05	58.5	58.1
06:05-06:10	58.5	58.0	09:05-09:10	58.6	58.1	12:05-12:10	58.4	57.9	15:05-15:10	58.6	58.2
06:10-06:15	58.9	58.2	09:10-09:15	61.6	58.5	12:10-12:15	58.5	58.0	15:10-15:15	58.7	58.3
06:15-06:20	58.6	58.1	09:15-09:20	59.4	58.3	12:15-12:20	58.6	57.9	15:15-15:20	59.2	58.4
06:20-06:25	58.7	58.2	09:20-09:25	59.2	58.3	12:20-12:25	59.6	58.6	15:20-15:25	59.0	58.4
06:25-06:30	58.7	58.0	09:25-09:30	59.5	58.1	12:25-12:30	59.3	58.4	15:25-15:30	58.9	58.3
06:30-06:35	58.9	58.1	09:30-09:35	62.5	61.3	12:30-12:35	60.2	58.7	15:30-15:35	58.8	58.3
06:35-06:40	58.4	58.0	09:35-09:40	62.4	61.7	12:35-12:40	58.9	58.3	15:35-15:40	59.5	58.3
06:40-06:45	58.5	58.1	09:40-09:45	62.3	61.6	12:40-12:45	59.7	58.3	15:40-15:45	59.3	58.1
06:45-06:50	58.5	58.0	09:45-09:50	62.4	61.6	12:45-12:50	59.2	58.3	15:45-15:50	60.4	58.0
06:50-06:55	58.6	58.2	09:50-09:55	62.8	61.9	12:50-12:55	59.6	58.7	15:50-15:55	58.5	57.9
06:55-07:00	58.5	58.1	09:55-10:00	62.8	62.1	12:55-13:00	59.2	58.3	15:55-16:00	59.1	57.9
07:00-07:05	60.1	58.1	10:00-10:05	62.7	62.0	13:00-13:05	60.3	58.3	16:00-16:05	58.7	58.0
07:05-07:10	58.5	58.1	10:05-10:10	62.5	61.2	13:05-13:10	59.8	58.7	16:05-16:10	58.8	58.1
07:10-07:15	58.8	58.1	10:10-10:15	60.3	58.2	13:10-13:15	59.2	58.3	16:10-16:15	58.6	58.0
07:15-07:20	59.0	58.1	10:15-10:20	58.7	58.1	13:15-13:20	59.7	58.5	16:15-16:20	58.6	58.1
07:20-07:25	60.3	58.0	10:20-10:25	58.7	58.2	13:20-13:25	58.9	58.3	16:20-16:25	58.9	58.2
07:25-07:30	58.3	57.9	10:25-10:30	59.4	58.5	13:25-13:30	60.2	58.5	16:25-16:30	58.7	58.3
07:30-07:35	58.7	57.9	10:30-10:35	59.1	58.1	13:30-13:35	59.9	58.6	16:30-16:35	58.5	58.1
07:35-07:40	58.6	57.9	10:35-10:40	58.6	58.1	13:35-13:40	60.8	58.3	16:35-16:40	58.7	58.2
07:40-07:45	60.1	58.1	10:40-10:45	58.8	58.2	13:40-13:45	60.7	59.2	16:40-16:45	58.4	58.0
07:45-07:50	58.4	57.8	10:45-10:50	58.5	58.0	13:45-13:50	59.7	58.2	16:45-16:50	58.5	58.1
07:50-07:55	58.6	57.7	10:50-10:55	58.6	58.1	13:50-13:55	59.1	58.1	16:50-16:55	58.8	58.2
07:55-08:00	58.2	57.8	10:55-11:00	58.9	58.2	13:55-14:00	59.0	58.0	16:55-17:00	58.3	57.8

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** :May 19, 2023  
**Measured By** :Mr.Romssea Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
17:00-17:05	58.7	57.9	20:00-20:05	59.2	58.7	23:00-23:05	59.2	58.8	02:00-02:05	58.2	57.9
17:05-17:10	58.9	58.1	20:05-20:10	60.4	58.9	23:05-23:10	59.2	58.6	02:05-02:10	58.2	57.9
17:10-17:15	58.7	58.2	20:10-20:15	59.0	58.6	23:10-23:15	59.2	58.7	02:10-02:15	58.3	58.0
17:15-17:20	58.7	58.1	20:15-20:20	59.1	58.6	23:15-23:20	59.0	58.6	02:15-02:20	58.3	57.9
17:20-17:25	58.7	58.1	20:20-20:25	60.1	58.8	23:20-23:25	59.2	58.7	02:20-02:25	58.3	58.0
17:25-17:30	58.4	58.0	20:25-20:30	59.3	58.8	23:25-23:30	59.0	58.4	02:25-02:30	58.3	57.9
17:30-17:35	58.5	58.1	20:30-20:35	59.3	58.8	23:30-23:35	58.8	58.3	02:30-02:35	58.3	57.9
17:35-17:40	58.7	58.2	20:35-20:40	59.3	58.7	23:35-23:40	58.9	58.3	02:35-02:40	58.3	57.9
17:40-17:45	58.7	58.2	20:40-20:45	59.2	58.8	23:40-23:45	59.0	58.4	02:40-02:45	58.2	57.9
17:45-17:50	58.9	58.1	20:45-20:50	59.1	58.7	23:45-23:50	58.8	58.4	02:45-02:50	58.1	57.8
17:50-17:55	58.5	58.1	20:50-20:55	59.3	58.7	23:50-23:55	58.8	58.3	02:50-02:55	58.5	57.9
17:55-18:00	58.3	58.0	20:55-21:00	59.2	58.7	23:55-00:00	58.8	58.3	02:55-03:00	58.2	57.9
18:00-18:05	58.6	58.1	21:00-21:05	59.3	58.7	00:00-00:05	58.8	58.3	03:00-03:05	58.2	57.9
18:05-18:10	58.8	58.3	21:05-21:10	59.5	59.0	00:05-00:10	58.7	58.2	03:05-03:10	58.5	57.9
18:10-18:15	58.7	58.3	21:10-21:15	59.5	59.0	00:10-00:15	58.6	58.1	03:10-03:15	58.3	57.9
18:15-18:20	58.9	58.4	21:15-21:20	59.6	58.9	00:15-00:20	58.7	58.2	03:15-03:20	58.2	57.8
18:20-18:25	59.0	58.4	21:20-21:25	59.4	59.0	00:20-00:25	58.8	58.2	03:20-03:25	58.1	57.8
18:25-18:30	61.0	58.9	21:25-21:30	59.4	58.8	00:25-00:30	58.6	58.1	03:25-03:30	58.1	57.8
18:30-18:35	59.2	58.6	21:30-21:35	59.5	58.8	00:30-00:35	58.4	58.1	03:30-03:35	58.1	57.8
18:35-18:40	59.2	58.7	21:35-21:40	59.3	58.8	00:35-00:40	58.7	58.1	03:35-03:40	58.1	57.8
18:40-18:45	59.1	58.5	21:40-21:45	59.1	58.7	00:40-00:45	58.4	58.0	03:40-03:45	58.1	57.8
18:45-18:50	59.0	58.6	21:45-21:50	59.2	58.8	00:45-00:50	58.4	58.0	03:45-03:50	58.3	57.9
18:50-18:55	59.3	58.9	21:50-21:55	59.4	58.8	00:50-00:55	58.6	58.1	03:50-03:55	58.4	58.1
18:55-19:00	59.9	59.3	21:55-22:00	59.8	58.9	00:55-01:00	58.5	58.1	03:55-04:00	58.5	58.1
19:00-19:05	60.2	59.8	22:00-22:05	59.2	58.7	01:00-01:05	58.5	58.1	04:00-04:05	58.4	58.0
19:05-19:10	60.0	59.5	22:05-22:10	59.7	59.0	01:05-01:10	58.5	58.0	04:05-04:10	58.6	58.0
19:10-19:15	59.6	59.3	22:10-22:15	59.3	58.9	01:10-01:15	58.4	57.9	04:10-04:15	61.4	58.0
19:15-19:20	59.5	59.1	22:15-22:20	59.3	58.8	01:15-01:20	58.3	58.0	04:15-04:20	58.3	58.0
19:20-19:25	59.4	59.0	22:20-22:25	59.4	58.9	01:20-01:25	58.3	58.0	04:20-04:25	58.3	58.0
19:25-19:30	59.3	58.9	22:25-22:30	59.3	58.8	01:25-01:30	58.3	57.9	04:25-04:30	58.3	58.0
19:30-19:35	59.2	58.8	22:30-22:35	59.2	58.8	01:30-01:35	58.3	57.9	04:30-04:35	58.4	58.0
19:35-19:40	59.4	58.9	22:35-22:40	59.1	58.8	01:35-01:40	58.2	57.8	04:35-04:40	58.6	58.0
19:40-19:45	59.5	59.0	22:40-22:45	59.1	58.7	01:40-01:45	58.2	57.9	04:40-04:45	58.5	58.1
19:45-19:50	59.3	58.7	22:45-22:50	59.5	58.8	01:45-01:50	58.3	57.9	04:45-04:50	58.5	58.1
19:50-19:55	59.0	58.7	22:50-22:55	59.2	58.8	01:50-01:55	58.4	58.0	04:50-04:55	58.5	58.1
19:55-20:00	59.4	58.8	22:55-23:00	59.1	58.7	01:55-02:00	58.3	58.0	04:55-05:00	58.6	58.2



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathomthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathom Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathom Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** :May 20, 2023  
**Analysis No.** :2023-AB952-030  
**Report No.** :2023-RAAJ797  
**Measured By** :Mr.Romsae Kateh  
:Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Noise Level For 5 minutes, dB(A)	Leq	L90
	Leq	L90		Leq	L90		Leq	L90			
05:00-05:05	58.5	58.1	08:00-08:05	59.5	58.3	11:00-11:05	58.8	58.5	14:00-14:05	59.9	58.1
05:05-05:10	58.7	58.2	08:05-08:10	61.0	59.2	11:05-11:10	58.8	58.3	14:05-14:10	58.5	57.8
05:10-05:15	58.6	58.2	08:10-08:15	59.9	58.9	11:10-11:15	58.8	58.4	14:10-14:15	58.7	58.1
05:15-05:20	58.5	58.2	08:15-08:20	59.7	58.9	11:15-11:20	58.9	58.5	14:15-14:20	58.1	57.7
05:20-05:25	58.5	58.1	08:20-08:25	59.1	58.8	11:20-11:25	59.0	58.6	14:20-14:25	58.1	57.7
05:25-05:30	58.9	58.2	08:25-08:30	59.2	58.8	11:25-11:30	59.1	58.5	14:25-14:30	58.5	57.9
05:30-05:35	58.5	58.1	08:30-08:35	59.8	58.8	11:30-11:35	58.9	58.5	14:30-14:35	59.2	58.2
05:35-05:40	58.4	58.1	08:35-08:40	61.9	59.1	11:35-11:40	59.0	58.6	14:35-14:40	59.4	58.3
05:40-05:45	58.6	58.1	08:40-08:45	64.2	59.0	11:40-11:45	59.2	58.8	14:40-14:45	58.4	58.0
05:45-05:50	58.7	58.2	08:45-08:50	64.5	59.0	11:45-11:50	58.9	58.5	14:45-14:50	58.6	58.2
05:50-05:55	59.1	58.2	08:50-08:55	61.8	59.4	11:50-11:55	58.8	58.4	14:50-14:55	58.6	58.1
05:55-06:00	58.7	58.2	08:55-09:00	61.3	59.7	11:55-12:00	58.7	58.3	14:55-15:00	58.5	58.1
06:00-06:05	58.6	58.1	09:00-09:05	65.1	59.9	12:00-12:05	58.7	58.3	15:00-15:05	58.5	58.1
06:05-06:10	59.0	58.1	09:05-09:10	63.4	62.5	12:05-12:10	58.7	58.3	15:05-15:10	58.8	58.2
06:10-06:15	58.8	58.1	09:10-09:15	64.5	61.8	12:10-12:15	58.7	58.3	15:10-15:15	58.6	58.2
06:15-06:20	59.1	58.1	09:15-09:20	65.1	64.5	12:15-12:20	59.3	58.6	15:15-15:20	58.5	58.0
06:20-06:25	58.5	58.0	09:20-09:25	60.5	59.2	12:20-12:25	59.2	58.5	15:20-15:25	58.7	58.3
06:25-06:30	58.8	58.2	09:25-09:30	59.5	58.6	12:25-12:30	58.7	58.3	15:25-15:30	58.7	58.2
06:30-06:35	58.7	58.2	09:30-09:35	59.1	58.5	12:30-12:35	58.8	58.5	15:30-15:35	58.6	58.0
06:35-06:40	58.5	58.2	09:35-09:40	60.0	58.8	12:35-12:40	59.0	58.6	15:35-15:40	58.4	57.9
06:40-06:45	58.9	58.2	09:40-09:45	59.5	58.7	12:40-12:45	59.1	58.7	15:40-15:45	58.8	58.4
06:45-06:50	58.6	58.2	09:45-09:50	59.3	58.6	12:45-12:50	58.9	58.5	15:45-15:50	58.6	58.1
06:50-06:55	59.0	58.3	09:50-09:55	61.6	58.4	12:50-12:55	59.0	58.3	15:50-15:55	59.1	58.4
06:55-07:00	58.9	58.2	09:55-10:00	59.7	58.5	12:55-13:00	59.4	58.6	15:55-16:00	58.8	58.2
07:00-07:05	58.5	58.0	10:00-10:05	60.9	58.5	13:00-13:05	59.1	58.6	16:00-16:05	58.6	58.2
07:05-07:10	58.4	58.0	10:05-10:10	58.9	58.5	13:05-13:10	59.3	58.8	16:05-16:10	58.7	58.3
07:10-07:15	58.5	58.1	10:10-10:15	58.9	58.3	13:10-13:15	60.3	58.5	16:10-16:15	59.0	58.4
07:15-07:20	58.3	58.1	10:15-10:20	59.1	58.5	13:15-13:20	58.5	58.1	16:15-16:20	59.0	58.4
07:20-07:25	58.6	58.1	10:20-10:25	59.5	58.8	13:20-13:25	58.4	58.0	16:20-16:25	59.2	58.5
07:25-07:30	58.5	58.1	10:25-10:30	59.4	59.0	13:25-13:30	58.5	57.9	16:25-16:30	59.2	58.5
07:30-07:35	58.8	58.1	10:30-10:35	60.1	59.0	13:30-13:35	58.5	57.9	16:30-16:35	59.2	58.5
07:35-07:40	59.1	58.3	10:35-10:40	60.4	58.7	13:35-13:40	58.9	58.1	16:35-16:40	59.5	58.5
07:40-07:45	58.9	58.5	10:40-10:45	61.4	58.6	13:40-13:45	60.3	58.8	16:40-16:45	59.0	58.3
07:45-07:50	59.1	58.5	10:45-10:50	59.8	58.5	13:45-13:50	59.2	57.9	16:45-16:50	58.4	58.1
07:50-07:55	59.1	58.4	10:50-10:55	58.9	58.4	13:50-13:55	58.1	57.7	16:50-16:55	58.8	58.3
07:55-08:00	60.1	58.3	10:55-11:00	58.7	58.3	13:55-14:00	58.5	57.9	16:55-17:00	58.8	58.3

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathomthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathom Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathom Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674271 E, 1550804 N  
**Measured Date** :May 20, 2023  
**Analysis No.** :2023-AB952-030  
**Report No.** :2023-RAAJ797  
**Measured By** :Mr.Romsae Kateh  
:Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Noise Level For 5 minutes, dB(A)	Leq	L90
	Leq	L90		Leq	L90		Leq	L90			
17:00-17:05	59.0	58.5	20:00-20:05	59.4	59.0	23:00-23:05	58.9	58.5	02:00-02:05	58.0	57.7
17:05-17:10	59.0	58.6	20:05-20:10	59.3	58.9	23:05-23:10	59.1	58.7	02:05-02:10	57.9	57.5
17:10-17:15	59.5	58.6	20:10-20:15	59.5	59.0	23:10-23:15	59.1	58.7	02:10-02:15	58.0	57.6
17:15-17:20	59.1	58.5	20:15-20:20	59.4	59.0	23:15-23:20	59.0	58.7	02:15-02:20	57.9	57.6
17:20-17:25	58.8	58.3	20:20-20:25	59.3	58.9	23:20-23:25	59.0	58.6	02:20-02:25	57.9	57.6
17:25-17:30	59.6	58.6	20:25-20:30	59.2	58.8	23:25-23:30	58.9	58.5	02:25-02:30	58.0	57.7
17:30-17:35	59.6	58.4	20:30-20:35	59.2	58.8	23:30-23:35	59.0	58.3	02:30-02:35	58.0	57.7
17:35-17:40	59.0	58.5	20:35-20:40	59.3	59.0	23:35-23:40	58.7	58.3	02:35-02:40	58.0	57.7
17:40-17:45	59.1	58.5	20:40-20:45	59.4	59.0	23:40-23:45	58.5	58.1	02:40-02:45	58.0	57.7
17:45-17:50	58.9	58.3	20:45-20:50	59.6	59.2	23:45-23:50	58.4	58.1	02:45-02:50	58.0	57.7
17:50-17:55	58.7	58.3	20:50-20:55	59.8	59.2	23:50-23:55	58.5	58.1	02:50-02:55	58.0	57.7
17:55-18:00	58.8	58.3	20:55-21:00	59.4	58.9	23:55-00:00	58.5	58.1	02:55-03:00	57.9	57.6
18:00-18:05	59.4	58.5	21:00-21:05	59.3	58.9	00:00-00:05	58.5	58.1	03:00-03:05	58.0	57.7
18:05-18:10	59.1	58.5	21:05-21:10	59.3	58.9	00:05-00:10	58.4	58.0	03:05-03:10	58.0	57.7
18:10-18:15	59.0	58.5	21:10-21:15	59.4	59.0	00:10-00:15	58.3	58.0	03:10-03:15	58.1	57.8
18:15-18:20	58.8	58.4	21:15-21:20	59.3	59.0	00:15-00:20	58.5	58.0	03:15-03:20	58.1	57.8
18:20-18:25	58.8	58.4	21:20-21:25	59.4	58.8	00:20-00:25	58.6	58.0	03:20-03:25	58.2	57.9
18:25-18:30	58.9	58.5	21:25-21:30	59.5	58.7	00:25-00:30	58.6	58.1	03:25-03:30	58.2	57.9
18:30-18:35	59.1	58.5	21:30-21:35	59.5	58.7	00:30-00:35	58.5	58.0	03:30-03:35	58.2	57.9
18:35-18:40	59.4	58.7	21:35-21:40	59.0	58.7	00:35-00:40	58.3	57.8	03:35-03:40	58.3	57.9
18:40-18:45	59.2	58.7	21:40-21:45	58.8	58.4	00:40-00:45	58.1	57.7	03:40-03:45	58.2	57.9
18:45-18:50	59.0	58.6	21:45-21:50	58.8	58.5	00:45-00:50	58.2	57.8	03:45-03:50	58.2	57.9
18:50-18:55	59.7	58.9	21:50-21:55	58.9	58.5	00:50-00:55	58.1	57.8	03:50-03:55	58.2	57.9
18:55-19:00	60.0	59.5	21:55-22:00	58.9	58.5	00:55-01:00	58.2	57.8	03:55-04:00	58.1	57.8
19:00-19:05	60.0	59.6	22:00-22:05	58.9	58.5	01:00-01:05	58.0	57.7	04:00-04:05	58.5	57.8
19:05-19:10	60.6	59.5	22:05-22:10	58.9	58.6	01:05-01:10	58.0	57.7	04:05-04:10	58.2	57.8
19:10-19:15	59.9	59.3	22:10-22:15	58.9	58.5	01:10-01:15	58.0	57.6	04:10-04:15	58.1	57.8
19:15-19:20	59.4	59.0	22:15-22:20	58.9	58.6	01:15-01:20	58.0	57.6	04:15-04:20	58.2	57.9
19:20-19:25	59.3	58.9	22:20-22:25	58.9	58.5	01:20-01:25	58.2	57.7	04:20-04:25	58.2	57.8
19:25-19:30	59.2	58.8	22:25-22:30	58.9	58.5	01:25-01:30	58.2	57.8	04:25-04:30	58.2	57.8
19:30-19:35	59.2	58.9	22:30-22:35	58.8	58.4	01:30-01:35	58.2	57.8	04:30-04:35	58.2	57.8
19:35-19:40	59.3	58.9	22:35-22:40	58.9	58.5	01:35-01:40	58.0	57.6	04:35-04:40	58.2	57.8
19:40-19:45	59.1	58.8	22:40-22:45	58.9	58.6	01:40-01:45	58.1	57.6	04:40-04:45	58.2	57.8
19:45-19:50	59.1	58.8	22:45-22:50	59.0	58.6	01:45-01:50	58.1	57.7	04:45-04:50	58.3	57.8
19:50-19:55	59.2	58.9	22:50-22:55	59.1	58.7	01:50-01:55	58.0	57.7	04:50-04:55	58.3	57.9
19:55-20:00	59.2	58.8	22:55-23:00	58.9	58.5	01:55-02:00	58.0	57.7	04:55-05:00	58.5	57.9



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAAJ797  
**Report Date** : May 21, 2023  
**Analyzed By** : Mr.Romsea Kateh  
**Measured Instrument** : Environment Research & Technology Co., Ltd.  
: Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Noise Level For 5 minutes, dB(A)	Leq	L90
	Leq	L90		Leq	L90		Leq	L90			
05:00-05:05	58.3	57.8	08:00-08:05	58.1	57.8	11:00-11:05	57.9	57.4	14:00-14:05	58.1	57.1
05:05-05:10	58.2	57.8	08:05-08:10	58.1	57.7	11:05-11:10	58.7	57.5	14:05-14:10	57.4	56.8
05:10-05:15	58.3	58.0	08:10-08:15	58.1	57.7	11:10-11:15	58.0	57.5	14:10-14:15	59.0	57.4
05:15-05:20	58.4	58.0	08:15-08:20	58.3	57.8	11:15-11:20	57.9	57.3	14:15-14:20	60.3	57.5
05:20-05:25	58.4	57.9	08:20-08:25	59.4	57.9	11:20-11:25	57.8	57.1	14:20-14:25	59.1	57.1
05:25-05:30	59.5	58.1	08:25-08:30	58.2	57.7	11:25-11:30	58.1	57.5	14:25-14:30	60.6	57.7
05:30-05:35	58.2	57.9	08:30-08:35	58.4	57.9	11:30-11:35	57.9	57.4	14:30-14:35	60.0	57.4
05:35-05:40	58.2	57.8	08:35-08:40	58.5	57.8	11:35-11:40	57.8	57.2	14:35-14:40	60.4	57.9
05:40-05:45	58.4	57.8	08:40-08:45	58.1	57.7	11:40-11:45	57.7	57.3	14:40-14:45	60.2	57.6
05:45-05:50	58.4	57.8	08:45-08:50	58.4	57.9	11:45-11:50	57.9	57.4	14:45-14:50	61.1	58.5
05:50-05:55	59.1	58.0	08:50-08:55	58.3	58.0	11:50-11:55	58.3	57.5	14:50-14:55	60.4	57.7
05:55-06:00	58.9	57.9	08:55-09:00	58.6	58.1	11:55-12:00	58.0	57.3	14:55-15:00	60.4	58.0
06:00-06:05	58.7	58.0	09:00-09:05	58.3	57.9	12:00-12:05	57.6	57.1	15:00-15:05	58.4	57.5
06:05-06:10	59.1	57.9	09:05-09:10	58.1	57.6	12:05-12:10	57.7	57.2	15:05-15:10	59.0	57.2
06:10-06:15	58.5	57.9	09:10-09:15	58.1	57.6	12:10-12:15	57.8	57.3	15:10-15:15	58.9	57.3
06:15-06:20	59.0	57.9	09:15-09:20	58.1	57.5	12:15-12:20	58.1	57.7	15:15-15:20	59.4	57.8
06:20-06:25	58.6	57.8	09:20-09:25	58.3	57.5	12:20-12:25	57.8	57.4	15:20-15:25	59.2	57.5
06:25-06:30	58.8	57.8	09:25-09:30	58.1	57.5	12:25-12:30	57.7	57.3	15:25-15:30	59.1	57.4
06:30-06:35	58.5	57.7	09:30-09:35	58.1	57.5	12:30-12:35	58.3	57.3	15:30-15:35	58.8	57.2
06:35-06:40	59.5	58.5	09:35-09:40	58.2	57.5	12:35-12:40	57.7	57.0	15:35-15:40	59.7	57.7
06:40-06:45	59.5	59.1	09:40-09:45	58.3	57.7	12:40-12:45	57.8	57.3	15:40-15:45	60.3	58.4
06:45-06:50	59.0	57.4	09:45-09:50	58.1	57.6	12:45-12:50	57.6	57.1	15:45-15:50	59.6	57.9
06:50-06:55	58.2	57.6	09:50-09:55	58.4	57.5	12:50-12:55	57.7	57.2	15:50-15:55	60.5	58.7
06:55-07:00	58.0	57.6	09:55-10:00	58.4	57.7	12:55-13:00	57.7	57.2	15:55-16:00	60.5	58.5
07:00-07:05	57.6	57.2	10:00-10:05	58.0	57.4	13:00-13:05	57.7	57.3	16:00-16:05	61.1	58.4
07:05-07:10	58.0	57.4	10:05-10:10	58.0	57.4	13:05-13:10	57.6	57.2	16:05-16:10	60.4	58.4
07:10-07:15	57.8	57.4	10:10-10:15	58.0	57.5	13:10-13:15	57.8	57.2	16:10-16:15	60.6	58.4
07:15-07:20	57.8	57.3	10:15-10:20	57.8	57.3	13:15-13:20	57.6	57.1	16:15-16:20	60.0	58.0
07:20-07:25	58.0	57.6	10:20-10:25	57.9	57.5	13:20-13:25	57.7	56.9	16:20-16:25	59.4	57.3
07:25-07:30	58.3	57.8	10:25-10:30	58.0	57.5	13:25-13:30	57.8	57.3	16:25-16:30	57.6	57.1
07:30-07:35	58.7	57.9	10:30-10:35	58.0	57.4	13:30-13:35	57.8	57.1	16:30-16:35	59.1	57.2
07:35-07:40	58.6	57.8	10:35-10:40	57.7	57.3	13:35-13:40	57.7	57.3	16:35-16:40	58.1	57.5
07:40-07:45	58.3	57.8	10:40-10:45	58.0	57.5	13:40-13:45	57.6	56.8	16:40-16:45	58.4	57.9
07:45-07:50	58.1	57.8	10:45-10:50	58.3	57.9	13:45-13:50	57.6	57.1	16:45-16:50	61.9	58.1
07:50-07:55	58.2	57.8	10:50-10:55	58.1	57.6	13:50-13:55	57.3	56.9	16:50-16:55	60.0	57.4
07:55-08:00	58.2	57.8	10:55-11:00	58.2	57.7	13:55-14:00	57.5	56.8	16:55-17:00	59.6	57.4

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674271 E, 1550804 N  
**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAAJ797  
**Report Date** : May 21-22, 2023  
**Analyzed By** : Mr.Romsea Kateh  
**Measured Instrument** : Environment Research & Technology Co., Ltd.  
: Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Noise Level For 5 minutes, dB(A)	Leq	L90
	Leq	L90		Leq	L90		Leq	L90			
17:00-17:05	58.0	57.4	20:00-20:05	60.5	59.9	23:00-23:05	58.8	58.4	02:00-02:05	58.5	58.2
17:05-17:10	59.2	58.0	20:05-20:10	61.2	60.4	23:05-23:10	58.7	58.3	02:05-02:10	58.4	58.1
17:10-17:15	58.6	58.0	20:10-20:15	61.2	60.1	23:10-23:15	58.7	58.4	02:10-02:15	58.4	58.0
17:15-17:20	57.9	57.5	20:15-20:20	60.4	59.1	23:15-23:20	58.8	58.4	02:15-02:20	58.2	57.9
17:20-17:25	58.2	57.6	20:20-20:25	60.5	58.9	23:20-23:25	58.6	58.2	02:20-02:25	58.3	58.0
17:25-17:30	62.7	59.0	20:25-20:30	60.0	59.2	23:25-23:30	58.7	58.2	02:25-02:30	58.3	58.0
17:30-17:35	64.4	61.0	20:30-20:35	59.8	59.2	23:30-23:35	58.5	58.2	02:30-02:35	58.3	58.0
17:35-17:40	63.0	62.2	20:35-20:40	59.6	59.1	23:35-23:40	58.8	58.3	02:35-02:40	58.1	57.8
17:40-17:45	61.9	58.8	20:40-20:45	59.8	59.0	23:40-23:45	58.7	58.3	02:40-02:45	58.1	57.8
17:45-17:50	60.0	58.6	20:45-20:50	61.8	59.6	23:45-23:50	58.8	58.4	02:45-02:50	58.1	57.8
17:50-17:55	59.1	58.3	20:50-20:55	62.1	59.4	23:50-23:55	58.8	58.5	02:50-02:55	58.3	57.9
17:55-18:00	59.0	58.1	20:55-21:00	59.6	59.1	23:55-00:00	58.8	58.4	02:55-03:00	58.1	57.8
18:00-18:05	58.9	58.3	21:00-21:05	59.8	59.2	00:00-00:05	58.9	58.6	03:00-03:05	58.2	57.9
18:05-18:10	58.6	57.9	21:05-21:10	59.8	59.2	00:05-00:10	59.0	58.5	03:05-03:10	58.0	57.7
18:10-18:15	58.6	58.2	21:10-21:15	59.4	59.0	00:10-00:15	58.8	58.5	03:10-03:15	58.0	57.6
18:15-18:20	58.9	58.4	21:15-21:20	59.4	59.0	00:15-00:20	59.0	58.5	03:15-03:20	58.0	57.7
18:20-18:25	58.8	58.3	21:20-21:25	59.5	58.9	00:20-00:25	58.8	58.5	03:20-03:25	58.1	57.8
18:25-18:30	58.7	58.3	21:25-21:30	59.4	58.8	00:25-00:30	59.1	58.6	03:25-03:30	58.2	57.9
18:30-18:35	58.9	58.3	21:30-21:35	59.2	58.8	00:30-00:35	58.9	58.5	03:30-03:35	58.3	57.9
18:35-18:40	59.4	58.6	21:35-21:40	59.1	58.6	00:35-00:40	58.9	58.5	03:35-03:40	58.2	57.9
18:40-18:45	59.2	58.6	21:40-21:45	59.2	58.7	00:40-00:45	58.9	58.4	03:40-03:45	58.3	58.0
18:45-18:50	59.5	59.0	21:45-21:50	59.0	58.6	00:45-00:50	58.8	58.4	03:45-03:50	58.2	57.9
18:50-18:55	60.2	59.4	21:50-21:55	58.9	58.6	00:50-00:55	59.0	58.5	03:50-03:55	58.3	57.9
18:55-19:00	60.3	59.9	21:55-22:00	59.0	58.7	00:55-01:00	58.7	58.4	03:55-04:00	58.3	57.9
19:00-19:05	59.8	58.9	22:00-22:05	59.3	58.8	01:00-01:05	58.9	58.4	04:00-04:05	58.3	58.0
19:05-19:10	61.2	58.9	22:05-22:10	59.3	58.9	01:05-01:10	58.8	58.4	04:05-04:10	58.3	57.9
19:10-19:15	60.8	58.8	22:10-22:15	59.3	58.9	01:10-01:15	59.0	58.6	04:10-04:15	58.7	58.2
19:15-19:20	59.9	58.8	22:15-22:20	59.0	58.6	01:15-01:20	58.8	58.5	04:15-04:20	59.0	58.2
19:20-19:25	61.4	59.3	22:20-22:25	59.1	58.7	01:20-01:25	58.9	58.5	04:20-04:25	59.0	58.5
19:25-19:30	61.5	59.6	22:25-22:30	59.0	58.6	01:25-01:30	58.8	58.4	04:25-04:30	58.7	58.4
19:30-19:35	61.8	59.8	22:30-22:35	59.0	58.6	01:30-01:35	58.6	58.3	04:30-04:35	59.0	58.4
19:35-19:40	61.9	60.6	22:35-22:40	59.0	58.7	01:35-01:40	58.6	58.2	04:35-04:40	59.0	58.6
19:40-19:45	62.1	60.7	22:40-22:45	59.0	58.7	01:40-01:45	58.7	58.3	04:40-04:45	59.0	58.6
19:45-19:50	61.9	60.3	22:45-22:50	59.1	58.7	01:45-01:50	58.6	58.2	04:45-04:50	58.9	58.5
19:50-19:55	62.3	60.7	22:50-22:55	59.2	58.7	01:50-01:55	58.7	58.4	04:50-04:55	58.9	58.5
19:55-20:00	61.0	59.9	22:55-23:00	58.9	58.4	01:55-02:00	58.7	58.4	04:55-05:00	58.8	58.4







## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd.,  
Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGSR4) 47P 0674271 E, 1550804 N  
**Measured Date** : May 23, 2023  
**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAAJ797  
**Measured By** : Mr. Romseaa Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820453

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
05:00-05:05	58.7	58.2	08:00-08:05	58.6	58.1	11:00-11:05	59.1	58.0	14:00-14:05	58.8	58.4
05:05-05:10	58.5	58.1	08:05-08:10	59.4	58.2	11:05-11:10	58.6	58.1	14:05-14:10	59.0	58.6
05:10-05:15	58.5	58.2	08:10-08:15	58.6	58.2	11:10-11:15	58.8	58.4	14:10-14:15	59.1	58.6
05:15-05:20	58.6	58.2	08:15-08:20	58.7	58.2	11:15-11:20	58.9	58.4	14:15-14:20	58.8	58.3
05:20-05:25	58.6	58.2	08:20-08:25	58.8	58.2	11:20-11:25	60.3	58.4	14:20-14:25	59.0	58.4
05:25-05:30	59.2	58.2	08:25-08:30	59.3	58.5	11:25-11:30	58.8	58.2	14:25-14:30	58.9	58.5
05:30-05:35	58.5	58.1	08:30-08:35	59.1	58.5	11:30-11:35	58.8	58.3	14:30-14:35	58.9	58.5
05:35-05:40	58.8	58.1	08:35-08:40	58.8	58.1	11:35-11:40	58.8	58.4	14:35-14:40	58.9	58.4
05:40-05:45	59.6	58.2	08:40-08:45	58.6	58.0	11:40-11:45	62.6	58.4	14:40-14:45	59.2	58.6
05:45-05:50	58.6	58.2	08:45-08:50	59.0	58.3	11:45-11:50	60.4	58.2	14:45-14:50	59.0	58.5
05:50-05:55	58.7	58.3	08:50-08:55	59.0	58.4	11:50-11:55	61.2	58.4	14:50-14:55	59.0	58.5
05:55-06:00	58.8	58.3	08:55-09:00	59.0	58.5	11:55-12:00	61.8	61.1	14:55-15:00	59.4	58.4
06:00-06:05	58.9	58.3	09:00-09:05	61.6	58.5	12:00-12:05	61.8	61.2	15:00-15:05	59.1	58.6
06:05-06:10	58.8	58.3	09:05-09:10	58.9	58.5	12:05-12:10	62.0	61.3	15:05-15:10	59.3	58.6
06:10-06:15	58.7	58.3	09:10-09:15	58.9	58.5	12:10-12:15	61.6	60.8	15:10-15:15	59.1	58.6
06:15-06:20	58.6	58.1	09:15-09:20	58.6	58.0	12:15-12:20	61.3	58.6	15:15-15:20	59.1	58.5
06:20-06:25	58.6	58.2	09:20-09:25	59.0	58.2	12:20-12:25	59.5	58.6	15:20-15:25	59.3	58.7
06:25-06:30	58.7	58.2	09:25-09:30	58.6	58.1	12:25-12:30	59.5	58.7	15:25-15:30	59.1	58.5
06:30-06:35	58.6	58.2	09:30-09:35	59.0	58.6	12:30-12:35	59.1	58.4	15:30-15:35	59.2	58.4
06:35-06:40	58.5	58.2	09:35-09:40	59.0	58.6	12:35-12:40	59.2	58.3	15:35-15:40	59.2	58.6
06:40-06:45	58.5	58.1	09:40-09:45	59.4	58.7	12:40-12:45	59.3	58.5	15:40-15:45	59.1	58.8
06:45-06:50	58.3	58.0	09:45-09:50	59.2	58.6	12:45-12:50	59.8	58.6	15:45-15:50	59.6	59.1
06:50-06:55	58.4	58.1	09:50-09:55	58.9	58.4	12:50-12:55	59.8	58.5	15:50-15:55	59.7	58.9
06:55-07:00	58.4	58.1	09:55-10:00	59.5	58.5	12:55-13:00	60.0	58.5	15:55-16:00	59.4	59.0
07:00-07:05	58.5	58.1	10:00-10:05	59.1	58.6	13:00-13:05	60.5	58.8	16:00-16:05	59.3	58.9
07:05-07:10	58.6	58.1	10:05-10:10	59.2	58.6	13:05-13:10	60.0	58.9	16:05-16:10	59.4	59.0
07:10-07:15	58.6	58.2	10:10-10:15	60.0	58.9	13:10-13:15	59.3	58.8	16:10-16:15	59.6	58.9
07:15-07:20	58.7	58.2	10:15-10:20	58.9	58.3	13:15-13:20	60.6	59.3	16:15-16:20	61.6	59.6
07:20-07:25	58.6	58.1	10:20-10:25	61.0	58.6	13:20-13:25	60.1	59.5	16:20-16:25	62.7	60.0
07:25-07:30	59.0	58.2	10:25-10:30	59.8	58.6	13:25-13:30	60.2	59.5	16:25-16:30	62.4	59.8
07:30-07:35	59.4	58.3	10:30-10:35	59.3	58.6	13:30-13:35	60.0	59.3	16:30-16:35	63.6	59.7
07:35-07:40	59.9	58.5	10:35-10:40	58.7	58.1	13:35-13:40	59.6	59.1	16:35-16:40	64.0	61.4
07:40-07:45	59.1	58.5	10:40-10:45	58.8	58.2	13:40-13:45	59.2	58.8	16:40-16:45	61.8	59.9
07:45-07:50	59.3	58.6	10:45-10:50	58.6	58.2	13:45-13:50	59.0	58.5	16:45-16:50	61.2	59.6
07:50-07:55	58.5	58.0	10:50-10:55	58.7	58.3	13:50-13:55	59.1	58.5	16:50-16:55	62.0	59.9
07:55-08:00	59.0	58.1	10:55-11:00	58.8	58.0	13:55-14:00	59.0	58.6	16:55-17:00	61.2	59.4



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunngrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 17, 2023  
**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAAJ858  
**Measured By** : Mr. Romseaa Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820453

Measured Location	Interval Time	Noise Level, dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	58.6	71.7
	09:00-10:00	59.0	74.5
	10:00-11:00	59.4	73.1
	11:00-12:00	59.5	74.4
	13:00-14:00	58.8	67.2
8 Hours Measurement	14:00-15:00	59.5	81.2
	15:00-16:00	59.0	74.9
	16:00-17:00	59.9	76.4
		59.2	81.2



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunngrueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 19, 2023  
**Measured By** : Mr. Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAA0858  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level; dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	58.9	77.9
	09:00-10:00	61.4	72.4
	10:00-11:00	59.8	73.4
	11:00-12:00	60.4	80.9
	13:00-14:00	59.8	70.4
	14:00-15:00	58.7	68.7
	15:00-16:00	59.1	78.0
	16:00-17:00	58.6	70.0
8 Hours Measurement		59.7	80.9



(Ms. Supawan Suwanmapa)  
Laboratory Reviewer

(Ms. Thanida Bunnungueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 18, 2023  
**Measured By** : Mr. Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAA0858  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level; dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	60.7	74.4
	09:00-10:00	63.2	82.5
	10:00-11:00	60.3	71.7
	11:00-12:00	59.6	76.8
	13:00-14:00	59.9	71.0
	14:00-15:00	60.6	78.8
	15:00-16:00	60.5	72.2
	16:00-17:00	58.9	72.0
8 Hours Measurement		60.6	82.5



(Ms. Supawan Suwanmapa)  
Laboratory Reviewer

(Ms. Thanida Bunnungueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 21, 2023  
**Measured By** : Mr. Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-A952-030  
**Report No.** : 2023-RAA1858  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level, dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	58.4	69.1
	09:00-10:00	58.2	72.1
	10:00-11:00	58.0	69.9
	11:00-12:00	58.0	69.4
	13:00-14:00	57.6	67.5
	14:00-15:00	59.9	70.7
	15:00-16:00	59.5	67.1
	16:00-17:00	59.8	76.2
8 Hours Measurement		58.8	76.2



*(Signature)*

(Ms.Thanida Bunngrueang)  
Laboratory Supervisor

(Ms.Supawan Suwannapa)  
Laboratory Reviewer

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 20, 2023  
**Measured By** : Mr. Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820453

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-A952-030  
**Report No.** : 2023-RAA1858  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level, dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	61.4	76.0
	09:00-10:00	62.1	81.5
	10:00-11:00	59.8	75.8
	11:00-12:00	58.9	65.7
	13:00-14:00	59.0	79.9
	14:00-15:00	58.7	78.4
	15:00-16:00	58.7	64.4
	16:00-17:00	59.0	75.7
8 Hours Measurement		59.9	81.5



*(Signature)*

(Ms.Thanida Bunngrueang)  
Laboratory Supervisor

(Ms.Supawan Suwannapa)  
Laboratory Reviewer



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 23, 2023  
**Measured By** : Mr.Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820453

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAA0858  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Equivalent Level (Leq)	Noise Level; dB(A)
Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	58.9	Maximum Level (Lmax) 73.2
	09:00-10:00	59.3	77.2
	10:00-11:00	59.3	74.7
	11:00-12:00	60.1	80.4
	13:00-14:00	59.8	78.9
	14:00-15:00	59.0	71.5
	15:00-16:00	59.3	78.3
	16:00-17:00	61.8	80.2
8 Hours Measurement		59.8	80.4



(Ms.Supawan Suwanmapa)  
Laboratory Reviewer

(Ms.Thanida Bunnrungrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 22, 2023  
**Measured By** : Mr.Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820453

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-030  
**Report No.** : 2023-RAA0858  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Equivalent Level (Leq)	Noise Level; dB(A)
Project's Fence Located Adjacent to the Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	59.1	Maximum Level (Lmax) 79.8
	09:00-10:00	59.4	77.1
	10:00-11:00	59.3	70.8
	11:00-12:00	59.1	69.3
	13:00-14:00	60.0	70.8
	14:00-15:00	59.1	78.8
	15:00-16:00	59.0	67.1
	16:00-17:00	59.5	78.1
8 Hours Measurement		59.3	79.8



(Ms.Supawan Suwanmapa)  
Laboratory Reviewer

(Ms.Thanida Bunnrungrueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** : May 16-17, 2023  
**Quotation No.** : 2023-AB952-031  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0802  
**Report Date** : May 31, 2023  
**Measured By** : Mr. Romsea Kateh  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
17:00-18:00	54.8	64.7	57.1	56.1	54.2	53.7
18:00-19:00	55.1	81.1	57.5	56.6	54.3	53.9
19:00-20:00	55.0	66.9	55.7	55.5	54.9	54.4
20:00-21:00	54.4	63.0	55.1	54.9	54.3	53.9
21:00-22:00	54.7	71.2	55.3	55.1	54.6	54.2
22:00-23:00	54.6	64.1	55.4	55.2	54.4	54.0
23:00-00:00	54.1	62.4	54.8	54.6	54.0	53.5
00:00-01:00	53.8	62.0	54.6	54.3	53.6	53.3
01:00-02:00	53.9	62.8	54.6	54.4	53.8	53.4
02:00-03:00	54.0	62.2	54.8	54.5	53.8	53.4
03:00-04:00	53.8	77.1	54.7	54.3	53.6	53.2
04:00-05:00	54.8	75.4	56.8	55.6	54.0	53.5
05:00-06:00	55.9	76.0	60.7	58.0	54.3	53.0
06:00-07:00	53.9	74.2	55.2	54.8	53.6	52.8
07:00-08:00	53.8	63.7	55.6	54.9	53.5	52.8
08:00-09:00	53.3	69.2	54.7	54.0	53.0	52.5
09:00-10:00	54.3	67.7	55.8	55.1	53.8	53.1
10:00-11:00	53.5	61.4	54.5	54.1	53.3	52.7
11:00-12:00	53.3	66.9	54.4	53.9	53.1	52.6
12:00-13:00	53.5	71.5	54.9	54.3	53.2	52.6
13:00-14:00	53.1	66.4	54.0	53.7	52.9	52.4
14:00-15:00	53.9	72.4	55.5	54.8	53.4	52.6
15:00-16:00	53.4	64.3	55.2	54.6	53.0	52.3
16:00-17:00	55.2	68.2	57.3	56.6	54.8	53.5
24 Hours Measurement	54.2	81.1	55.9	55.1	53.8	53.3
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	60.7	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwanapa)  
Laboratory Reviewer

(Ms. Thanida Bunngrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** : May 17-18, 2023  
**Quotation No.** : 2023-AB952-031  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0802  
**Report Date** : May 31, 2023  
**Measured By** : Mr. Romsea Kateh  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
17:00-18:00	55.5	70.8	57.8	57.1	55.0	54.2
18:00-19:00	55.5	81.7	57.2	56.3	54.7	54.1
19:00-20:00	55.0	61.5	55.8	55.5	54.8	54.4
20:00-21:00	55.1	62.0	55.8	55.6	55.0	54.6
21:00-22:00	55.0	69.6	55.8	55.5	54.8	54.5
22:00-23:00	54.6	62.6	55.2	55.0	54.4	54.0
23:00-00:00	54.5	61.4	55.3	55.1	54.4	54.0
00:00-01:00	54.3	66.0	55.0	54.8	54.2	53.7
01:00-02:00	54.3	63.9	55.0	54.8	54.1	53.7
02:00-03:00	54.1	61.9	54.9	54.6	53.9	53.5
03:00-04:00	54.1	68.2	55.4	54.7	53.8	53.4
04:00-05:00	56.5	75.8	62.5	58.6	54.2	53.6
05:00-06:00	57.4	77.5	63.5	59.7	54.1	53.5
06:00-07:00	54.6	79.2	56.7	55.9	53.9	53.2
07:00-08:00	54.3	78.3	56.2	55.0	54.0	53.3
08:00-09:00	54.1	74.1	55.3	54.8	53.9	53.2
09:00-10:00	54.3	67.0	55.5	55.0	54.0	53.3
10:00-11:00	54.2	65.1	55.8	55.1	53.9	53.3
11:00-12:00	54.2	64.4	55.8	55.1	53.9	53.1
12:00-13:00	53.3	61.2	54.3	54.0	53.2	52.6
13:00-14:00	53.4	68.0	54.6	54.1	53.1	52.6
14:00-15:00	53.5	64.9	54.8	54.3	53.3	52.6
15:00-16:00	54.0	63.9	55.2	54.7	53.7	53.1
16:00-17:00	53.6	62.7	54.6	54.3	53.5	52.9
24 Hours Measurement	54.7	81.7	57.0	55.6	54.1	53.6
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	61.4	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwanapa)  
Laboratory Reviewer

(Ms. Thanida Bunngrueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name**  
**Address**  
**Project Name**  
**Project Location**  
**Measured Source**  
**Measured Point**  
**GPS. Coordinate**  
**Measured Date**  
**Measured By**  
**Analyzed By**  
**Measured Instrument**

: Klong Luang Utilities Company Limited  
: 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
: Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
: 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
: Ambient Noise  
: Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
: UTM (WGS84) 47P 0674312 E, 1550833 N  
: May 19-20, 2023  
: Mr. Romsea Katch  
: Environment Research & Technology Co., Ltd.  
: Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA3802  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)					
	Leq	Lmax	L5	L10	L50	L90
17:00-18:00	53.6	76.1	55.2	54.4	53.1	52.4
18:00-19:00	54.6	79.9	56.0	55.3	53.9	53.3
19:00-20:00	54.7	65.8	55.7	55.4	54.5	54.0
20:00-21:00	54.7	65.7	55.7	55.3	54.5	54.0
21:00-22:00	55.1	61.6	56.1	55.8	54.9	54.3
22:00-23:00	54.8	63.3	55.7	55.4	54.6	54.1
23:00-00:00	54.7	68.3	55.7	55.4	54.6	54.0
00:00-01:00	54.2	66.4	55.5	55.0	53.9	53.4
01:00-02:00	53.5	60.3	54.4	54.2	53.4	52.9
02:00-03:00	53.3	63.0	54.1	53.9	53.1	52.7
03:00-04:00	53.1	57.9	53.8	53.6	53.0	52.6
04:00-05:00	53.5	74.6	54.5	54.1	53.2	52.8
05:00-06:00	56.7	77.0	64.1	61.2	53.7	53.1
06:00-07:00	54.4	72.8	56.8	55.5	53.8	53.1
07:00-08:00	53.9	72.9	55.2	54.6	53.5	53.0
08:00-09:00	53.8	70.6	55.0	54.5	53.6	53.0
09:00-10:00	54.1	63.2	55.2	54.8	53.9	53.3
10:00-11:00	54.6	63.9	56.0	55.4	54.3	53.6
11:00-12:00	53.4	61.2	54.3	54.0	53.3	52.7
12:00-13:00	53.6	73.1	54.6	54.2	53.4	52.8
13:00-14:00	53.7	73.1	55.2	54.4	53.3	52.8
14:00-15:00	53.6	69.5	54.7	54.2	53.4	52.9
15:00-16:00	53.7	65.8	54.8	54.4	53.5	53.0
16:00-17:00	54.6	74.4	56.1	55.4	54.2	53.6
24 Hours Measurement	54.2	79.9	56.3	55.4	53.8	53.3
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	60.8	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 27D dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunnungueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name**  
**Address**  
**Project Name**  
**Project Location**  
**Measured Source**  
**Measured Point**  
**GPS. Coordinate**  
**Measured Date**  
**Measured By**  
**Analyzed By**  
**Measured Instrument**

: Klong Luang Utilities Company Limited  
: 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
: Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
: 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
: Ambient Noise  
: Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
: UTM (WGS84) 47P 0674312 E, 1550833 N  
: May 18-19, 2023  
: Mr. Romsea Katch  
: Environment Research & Technology Co., Ltd.  
: Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA3802  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)					
	Leq	Lmax	L5	L10	L50	L90
17:00-18:00	54.0	71.8	55.8	55.1	53.6	53.0
18:00-19:00	54.8	77.3	56.6	55.4	54.0	53.6
19:00-20:00	54.2	61.1	54.8	54.7	54.1	53.8
20:00-21:00	55.2	59.5	56.1	55.9	55.1	54.6
21:00-22:00	54.7	70.5	55.4	55.2	54.6	54.1
22:00-23:00	54.8	64.6	55.5	55.3	54.6	54.1
23:00-00:00	54.5	67.0	55.4	55.2	54.3	53.7
00:00-01:00	53.9	64.2	55.0	54.5	53.7	53.2
01:00-02:00	53.3	58.9	54.0	53.8	53.2	52.8
02:00-03:00	53.1	61.4	53.7	53.6	52.9	52.6
03:00-04:00	53.0	76.9	53.7	53.5	52.8	52.5
04:00-05:00	54.1	73.9	57.3	54.9	53.2	52.7
05:00-06:00	54.5	79.6	58.6	57.0	53.5	52.9
06:00-07:00	54.0	71.3	55.8	55.0	53.5	52.9
07:00-08:00	54.0	73.2	55.8	55.0	53.4	52.7
08:00-09:00	53.9	84.4	55.6	54.7	53.1	52.4
09:00-10:00	54.5	63.3	55.7	55.3	54.3	53.6
10:00-11:00	53.4	65.9	54.9	54.3	53.1	52.4
11:00-12:00	53.1	69.4	54.2	53.7	52.9	52.3
12:00-13:00	53.1	72.1	55.6	53.8	52.2	51.7
13:00-14:00	52.8	62.6	54.1	53.6	52.5	52.0
14:00-15:00	52.7	66.2	53.7	53.3	52.5	51.9
15:00-16:00	56.9	73.5	61.9	60.5	55.0	51.9
16:00-17:00	59.9	78.7	68.3	67.2	56.9	52.5
24 Hours Measurement	54.6	84.4	58.3	57.3	53.8	53.0
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	60.5	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 27D dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunnungueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS, Coordinate** : UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** : May 20-21, 2023  
**Measured By** : Mr.Romsea Katcha  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0802  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
17:00-18:00	54.5	79.7	64.9	55.4	53.6	53.1
18:00-19:00	54.2	69.1	55.7	55.1	53.8	53.3
19:00-20:00	54.4	70.2	55.3	55.0	54.2	53.6
20:00-21:00	54.6	60.4	55.8	55.3	54.4	53.9
21:00-22:00	54.5	62.9	55.4	55.0	54.3	53.8
22:00-23:00	54.5	58.2	55.2	55.0	54.4	54.0
23:00-00:00	54.1	62.0	55.0	54.7	54.0	53.5
00:00-01:00	53.7	62.6	54.8	54.3	53.5	53.0
01:00-02:00	54.0	60.0	54.8	54.5	53.8	53.3
02:00-03:00	53.2	63.5	53.8	53.6	53.1	52.7
03:00-04:00	53.5	76.0	61.0	54.0	53.2	52.8
04:00-05:00	57.0	75.2	63.3	58.9	53.4	52.9
05:00-06:00	56.3	76.3	63.0	60.4	53.6	52.9
06:00-07:00	54.1	76.9	55.9	55.0	53.5	52.6
07:00-08:00	53.6	70.9	54.8	54.3	53.3	52.7
08:00-09:00	53.4	67.7	54.8	54.0	53.2	52.6
09:00-10:00	53.1	64.8	54.0	53.7	52.9	52.4
10:00-11:00	52.8	72.2	53.7	53.4	52.7	52.2
11:00-12:00	53.0	62.7	53.9	53.6	52.8	52.3
12:00-13:00	53.4	65.8	54.4	54.0	53.2	52.6
13:00-14:00	53.3	62.1	54.1	53.9	53.2	52.6
14:00-15:00	53.6	74.7	54.6	54.2	53.3	52.6
15:00-16:00	53.2	63.9	54.5	53.9	52.9	52.3
16:00-17:00	53.9	68.8	56.0	55.0	53.3	52.6
24 Hours Measurement	54.1	79.7	57.9	55.2	53.5	53.0
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	61.0	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).

(Ms.Supawan Suwannapa)  
Laboratory Reviewer

(Ms.Thanida Bunnungueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS, Coordinate** : UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** : May 21-22, 2023  
**Measured By** : Mr.Romsea Katcha  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0802  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
17:00-18:00	57.1	84.8	61.0	58.8	56.2	54.9
18:00-19:00	55.4	73.8	56.6	56.1	55.1	54.5
19:00-20:00	56.5	78.7	57.8	57.1	56.0	55.3
20:00-21:00	56.3	64.1	57.5	57.2	56.1	55.4
21:00-22:00	56.2	67.1	57.0	56.7	56.0	55.6
22:00-23:00	54.6	59.5	55.4	55.2	54.4	53.9
23:00-00:00	53.7	58.8	54.4	54.2	53.5	53.2
00:00-01:00	54.0	61.8	55.0	54.6	53.9	53.4
01:00-02:00	54.0	58.5	54.8	54.5	53.9	53.5
02:00-03:00	53.3	59.1	53.9	53.7	53.1	52.8
03:00-04:00	53.4	68.4	54.0	53.8	53.2	52.8
04:00-05:00	55.8	75.5	61.3	58.1	53.3	52.9
05:00-06:00	58.2	76.2	64.4	60.5	53.8	53.0
06:00-07:00	54.4	78.1	56.2	55.3	53.8	53.1
07:00-08:00	53.6	70.5	55.4	54.7	53.3	52.7
08:00-09:00	54.2	65.7	55.4	54.9	53.8	53.1
09:00-10:00	53.9	67.9	55.4	54.6	53.5	52.9
10:00-11:00	53.8	74.4	55.0	54.3	53.3	52.7
11:00-12:00	53.6	75.4	54.7	54.3	53.3	52.8
12:00-13:00	54.1	71.5	55.8	54.9	53.5	52.9
13:00-14:00	53.6	67.9	54.8	54.3	53.4	52.8
14:00-15:00	53.8	72.2	54.8	54.4	53.5	52.9
15:00-16:00	53.6	66.5	54.7	54.3	53.4	52.8
16:00-17:00	54.3	74.1	56.3	55.3	53.8	53.1
24 Hours Measurement	54.9	84.8	57.3	55.9	54.2	53.6
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	61.3	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).

(Ms.Supawan Suwannapa)  
Laboratory Reviewer

(Ms.Thanida Bunnungueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** : May 22-23, 2023  
**Measured By** : Mr.Romssea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAAJ802  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)				
	Leq	Lmax	L5	L10	L90
17:00-18:00	56.0	71.8	58.0	57.1	54.5
18:00-19:00	55.7	71.7	58.6	57.0	54.2
19:00-20:00	54.9	66.1	56.0	55.5	54.0
20:00-21:00	54.4	60.7	55.2	54.9	53.9
21:00-22:00	54.2	61.5	54.9	54.7	53.7
22:00-23:00	54.0	61.1	54.5	54.3	53.5
23:00-00:00	53.6	61.7	54.3	54.1	53.0
00:00-01:00	53.1	58.0	53.6	53.4	52.9
01:00-02:00	53.1	56.1	53.6	53.5	52.6
02:00-03:00	53.0	57.2	53.6	53.4	52.9
03:00-04:00	53.0	60.4	53.6	53.4	52.8
04:00-05:00	54.8	75.6	59.8	56.2	52.8
05:00-06:00	56.7	76.4	62.6	59.3	52.7
06:00-07:00	53.7	72.2	55.7	54.9	52.5
07:00-08:00	53.8	68.4	55.7	54.9	52.5
08:00-09:00	53.6	73.6	54.7	54.3	52.7
09:00-10:00	53.4	62.4	54.4	54.1	52.8
10:00-11:00	52.9	73.5	54.0	53.6	52.1
11:00-12:00	53.4	68.5	54.6	54.0	52.5
12:00-13:00	53.6	78.8	54.7	54.1	53.2
13:00-14:00	53.8	73.6	55.2	54.6	53.4
14:00-15:00	54.3	66.3	55.5	55.7	52.8
15:00-16:00	55.1	75.9	57.8	56.7	53.1
16:00-17:00	57.2	71.0	60.3	58.9	55.3
24 Hours Measurement	54.4	78.8	56.7	55.5	53.2
Standard <sup>1)</sup>	70	115	-	-	-
Ldn	60.5	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwannapa)  
Laboratory Reviewer



(Ms. Thanida Bunnungruang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** : May 16-17, 2023  
**Measured By** : Mr.Romssea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAAJ801  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)					Interval Time	Noise Level For 5 minutes, dB(A)					Interval Time	Noise Level For 5 minutes, dB(A)				
	Leq	L90	Leq	L90	Leq		Leq	L90	Leq	L90	Leq		Leq	L90	Leq	L90	Leq
17:00-17:05	53.9	53.4	20:00-20:05	54.4	53.9	23:00-23:05	54.5	53.7	02:00-02:05	54.0	53.5						
17:05-17:10	54.4	53.4	20:05-20:10	54.3	53.8	23:05-23:10	54.4	53.9	02:05-02:10	54.2	53.3						
17:10-17:15	55.7	53.7	20:10-20:15	54.3	53.8	23:10-23:15	54.7	54.1	02:10-02:15	54.3	53.8						
17:15-17:20	56.0	53.9	20:15-20:20	54.3	53.8	23:15-23:20	54.6	54.1	02:15-02:20	54.1	53.6						
17:20-17:25	54.9	54.0	20:20-20:25	54.3	53.8	23:20-23:25	54.7	54.0	02:20-02:25	53.8	53.2						
17:25-17:30	54.3	53.7	20:25-20:30	54.3	53.8	23:25-23:30	54.3	53.6	02:25-02:30	54.2	53.5						
17:30-17:35	54.1	53.5	20:30-20:35	54.6	53.9	23:30-23:35	54.0	53.5	02:30-02:35	54.0	53.5						
17:35-17:40	55.5	53.7	20:35-20:40	54.5	54.0	23:35-23:40	53.6	53.2	02:35-02:40	53.7	53.3						
17:40-17:45	54.8	53.7	20:40-20:45	54.5	54.0	23:40-23:45	53.5	52.9	02:40-02:45	53.9	53.5						
17:45-17:50	54.6	53.7	20:45-20:50	54.6	54.1	23:45-23:50	53.7	53.3	02:45-02:50	53.7	53.2						
17:50-17:55	54.1	53.6	20:50-20:55	54.4	53.9	23:50-23:55	53.3	52.8	02:50-02:55	53.7	53.1						
17:55-18:00	54.1	53.6	20:55-21:00	54.5	54.0	23:55-00:00	53.4	53.0	02:55-03:00	53.9	52.8						
18:00-18:05	53.9	53.5	21:00-21:05	55.0	54.4	00:00-00:05	53.5	52.6	03:00-03:05	53.7	53.2						
18:05-18:10	54.0	53.5	21:05-21:10	54.7	54.3	00:05-00:10	53.3	52.9	03:05-03:10	53.9	53.4						
18:10-18:15	54.3	53.6	21:10-21:15	54.9	54.3	00:10-00:15	53.6	53.1	03:10-03:15	53.6	52.9						
18:15-18:20	54.4	53.6	21:15-21:20	54.8	54.3	00:15-00:20	53.7	53.1	03:15-03:20	53.9	53.4						
18:20-18:25	54.0	53.6	21:20-21:25	54.7	54.2	00:20-00:25	53.6	53.2	03:20-03:25	54.3	53.8						
18:25-18:30	57.7	53.5	21:25-21:30	54.8	54.3	00:25-00:30	53.7	53.2	03:25-03:30	54.1	53.4						
18:30-18:35	55.0	53.6	21:30-21:35	54.8	54.3	00:30-00:35	53.3	52.9	03:30-03:35	53.4	53.0						
18:35-18:40	54.5	53.9	21:35-21:40	54.7	54.3	00:35-00:40	53.9	53.4	03:35-03:40	53.5	52.9						
18:40-18:45	54.1	53.7	21:40-21:45	54.7	54.3	00:40-00:45	54.4	53.8	03:40-03:45	53.8	53.2						
18:45-18:50	56.3	54.5	21:45-21:50	54.3	53.8	00:45-00:50	54.4	53.9	03:45-03:50	53.8	53.3						
18:50-18:55	55.5	54.9	21:50-21:55	54.5	54.0	00:50-00:55	54.2	53.6	03:50-03:55	53.4	52.8						
18:55-19:00	55.6	55.0	21:55-22:00	54.5	54.0	00:55-01:00	54.1	53.6	03:55-04:00	54.1	53.0						
19:00-19:05	56.0	55.4	22:00-22:05	54.4	54.0	01:00-01:05	53.9	53.3	04:00-04:05	57.6	52.9						
19:05-19:10	55.5	54.9	22:05-22:10	54.8	54.2	01:05-01:10	53.5	53.0	04:05-04:10	53.4	53.0						
19:10-19:15	55.5	54.9	22:10-22:15	54.8	54.1	01:10-01:15	54.2	53.5	04:10-04:15	53.6	53.0						
19:15-19:20	55.4	54.7	22:15-22:20	55.2	54.1	01:15-01:20	54.0	53.5	04:15-04:20	54.6	54.0						
19:20-19:25	55.1	54.5	22:20-22:25	54.1	53.6	01:20-01:25	53.7	53.3	04:20-04:25	54.4	53.5						
19:25-19:30	55.0	54.3	22:25-22:30	54.2	53.7	01:25-01:30	53.8	53.3	04:25-04:30	56.2	53.6						
19:30-19:35	54.7	54.2	22:30-22:35	54.3	53.8	01:30-01:35	53.9	53.5	04:30-04:35	54.8	53.3						
19:35-19:40	54.7	54.2	22:35-22:40	54.3	53.8	01:35-01:40	54.0	53.5	04:35-04:40	54.1	53.7						
19:40-19:45	54.7	54.1	22:40-22:45	54.6	54.2	01:40-01:45	54.0	53.4	04:40-04:45	54.4	53.5						
19:45-19:50	54.7	54.2	22:45-22:50	55.1	54.5	01:45-01:50	54.0	53.5	04:45-04:50	54.5	53.9						
19:50-19:55	54.3	53.9	22:50-22:55	54.8	54.2	01:50-01:55	54.2	53.8	04:50-04:55	54.2	53.7						
19:55-20:00	54.3	53.8	22:55-23:00	54.7	54.1	01:55-02:00	54.1	53.6	04:55-05:00	54.2	53.7						







## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** :May 18, 2023  
**Measured By** :Mr.Romsea Kateh  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0801  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)		
	Leq	L90	L95		Leq	L90	L95		Leq	L90	L95
05:00-05:05	62.2	53.8	08:00-08:05	53.7	52.9	11:00-11:05	53.7	52.7	14:00-14:05	53.7	52.7
05:05-05:10	61.1	53.6	08:05-08:10	53.9	53.1	11:05-11:10	54.1	53.2	14:05-14:10	53.8	53.1
05:10-05:15	56.1	53.3	08:10-08:15	55.0	53.1	11:10-11:15	54.0	53.0	14:10-14:15	54.3	53.0
05:15-05:20	59.3	53.4	08:15-08:20	53.5	52.8	11:15-11:20	54.2	53.3	14:15-14:20	53.5	52.6
05:20-05:25	55.8	53.2	08:20-08:25	53.7	53.1	11:20-11:25	54.4	53.2	14:20-14:25	53.7	52.9
05:25-05:30	54.1	53.3	08:25-08:30	53.8	53.2	11:25-11:30	53.5	52.7	14:25-14:30	53.9	52.9
05:30-05:35	54.3	53.2	08:30-08:35	54.2	53.3	11:30-11:35	53.4	52.8	14:30-14:35	52.9	52.3
05:35-05:40	54.2	53.4	08:35-08:40	54.0	53.3	11:35-11:40	54.7	53.4	14:35-14:40	53.4	52.5
05:40-05:45	54.2	53.1	08:40-08:45	54.3	53.3	11:40-11:45	54.5	53.4	14:40-14:45	52.9	52.2
05:45-05:50	54.6	54.0	08:45-08:50	54.3	53.3	11:45-11:50	55.2	53.6	14:45-14:50	53.4	52.4
05:50-05:55	55.3	53.8	08:50-08:55	54.8	53.4	11:50-11:55	54.5	53.4	14:50-14:55	52.9	52.2
05:55-06:00	54.6	53.6	08:55-09:00	54.2	53.4	11:55-12:00	53.6	52.9	14:55-15:00	53.5	52.6
06:00-06:05	54.0	53.3	09:00-09:05	54.4	53.3	12:00-12:05	53.5	52.6	15:00-15:05	54.3	53.1
06:05-06:10	53.9	53.1	09:05-09:10	53.4	52.8	12:05-12:10	53.4	52.7	15:05-15:10	53.5	52.6
06:10-06:15	54.6	53.3	09:10-09:15	53.3	52.5	12:10-12:15	52.9	52.0	15:10-15:15	54.4	53.0
06:15-06:20	54.3	53.5	09:15-09:20	53.9	52.7	12:15-12:20	53.4	52.8	15:15-15:20	53.8	53.1
06:20-06:25	55.5	53.3	09:20-09:25	53.4	52.7	12:20-12:25	53.4	52.6	15:20-15:25	53.5	52.6
06:25-06:30	54.7	52.8	09:25-09:30	53.9	53.1	12:25-12:30	53.3	52.6	15:25-15:30	53.5	52.8
06:30-06:35	55.6	53.1	09:30-09:35	54.4	53.1	12:30-12:35	53.1	52.4	15:30-15:35	53.4	52.6
06:35-06:40	54.6	53.3	09:35-09:40	54.4	53.8	12:35-12:40	53.3	52.5	15:35-15:40	54.7	53.3
06:40-06:45	54.8	53.0	09:40-09:45	54.3	53.6	12:40-12:45	53.6	52.9	15:40-15:45	54.3	53.6
06:45-06:50	54.9	53.0	09:45-09:50	55.5	54.0	12:45-12:50	53.1	52.3	15:45-15:50	54.4	53.6
06:50-06:55	54.3	53.4	09:50-09:55	54.9	54.1	12:50-12:55	53.6	52.9	15:50-15:55	54.0	53.4
06:55-07:00	54.0	53.4	09:55-10:00	54.8	54.0	12:55-13:00	53.4	52.7	15:55-16:00	54.0	53.3
07:00-07:05	53.9	53.3	10:00-10:05	54.6	53.7	13:00-13:05	53.0	51.9	16:00-16:05	54.6	53.6
07:05-07:10	54.2	53.4	10:05-10:10	54.4	53.7	13:05-13:10	53.8	52.6	16:05-16:10	54.2	53.4
07:10-07:15	54.0	53.3	10:10-10:15	53.5	52.8	13:10-13:15	53.8	52.9	16:10-16:15	53.5	52.8
07:15-07:20	53.9	53.3	10:15-10:20	54.1	53.4	13:15-13:20	53.1	52.4	16:15-16:20	54.4	53.0
07:20-07:25	54.8	53.6	10:20-10:25	53.8	52.8	13:20-13:25	53.4	52.6	16:20-16:25	53.4	52.9
07:25-07:30	53.9	53.2	10:25-10:30	54.4	53.2	13:25-13:30	53.5	52.1	16:25-16:30	53.5	52.9
07:30-07:35	54.7	53.4	10:30-10:35	54.6	53.2	13:30-13:35	53.3	52.6	16:30-16:35	53.3	52.7
07:35-07:40	54.4	53.6	10:35-10:40	53.8	53.1	13:35-13:40	53.1	52.6	16:35-16:40	53.4	52.7
07:40-07:45	54.6	53.6	10:40-10:45	53.6	53.1	13:40-13:45	53.6	52.9	16:40-16:45	53.1	52.6
07:45-07:50	54.5	53.4	10:45-10:50	55.0	53.6	13:45-13:50	53.5	52.7	16:45-16:50	53.0	52.4
07:50-07:55	54.3	53.0	10:50-10:55	54.5	53.2	13:50-13:55	53.3	52.6	16:50-16:55	53.7	53.0
07:55-08:00	54.3	52.9	10:55-11:00	54.0	53.2	13:55-14:00	53.3	52.6	16:55-17:00	53.3	52.8

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** :May 18-19, 2023  
**Measured By** :Mr.Romsea Kateh  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0801  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)		
	Leq	L90	L95		Leq	L90	L95		Leq	L90	L95
17:00-17:05	54.9	53.3	20:00-20:05	54.8	54.1	23:00-23:05	54.4	54.0	02:00-02:05	53.4	52.9
17:05-17:10	53.9	53.0	20:05-20:10	55.4	54.8	23:05-23:10	55.0	54.0	02:05-02:10	53.2	52.7
17:10-17:15	53.5	52.9	20:10-20:15	55.3	54.7	23:10-23:15	55.6	54.1	02:10-02:15	53.1	52.6
17:15-17:20	53.6	52.9	20:15-20:20	55.1	54.6	23:15-23:20	54.9	54.3	02:15-02:20	53.1	52.5
17:20-17:25	54.0	52.9	20:20-20:25	55.3	54.7	23:20-23:25	54.6	53.9	02:20-02:25	53.2	52.7
17:25-17:30	53.5	52.8	20:25-20:30	55.7	54.9	23:25-23:30	54.6	53.9	02:25-02:30	53.0	52.6
17:30-17:35	54.1	52.9	20:30-20:35	55.6	54.8	23:30-23:35	54.4	53.8	02:30-02:35	53.0	52.6
17:35-17:40	54.1	53.0	20:35-20:40	54.9	54.3	23:35-23:40	54.2	53.7	02:35-02:40	53.2	52.7
17:40-17:45	54.2	53.1	20:40-20:45	55.2	54.6	23:40-23:45	54.1	53.5	02:40-02:45	52.9	52.5
17:45-17:50	54.2	53.0	20:45-20:50	55.1	54.5	23:45-23:50	53.7	53.2	02:45-02:50	53.1	52.6
17:50-17:55	53.8	53.1	20:50-20:55	55.4	54.7	23:50-23:55	53.5	52.9	02:50-02:55	52.9	52.4
17:55-18:00	53.9	53.0	20:55-21:00	55.1	54.5	23:55-00:00	53.9	53.5	02:55-03:00	52.8	52.4
18:00-18:05	53.3	52.7	21:00-21:05	54.8	54.3	00:00-00:05	53.5	52.9	03:00-03:05	53.0	52.4
18:05-18:10	54.5	53.6	21:05-21:10	54.3	53.8	00:05-00:10	53.5	52.9	03:05-03:10	53.1	52.5
18:10-18:15	54.1	53.2	21:10-21:15	54.6	54.0	00:10-00:15	53.4	53.0	03:10-03:15	52.9	52.5
18:15-18:20	54.2	52.9	21:15-21:20	54.5	53.9	00:15-00:20	54.0	53.4	03:15-03:20	52.9	52.4
18:20-18:25	53.7	53.0	21:20-21:25	54.4	53.9	00:20-00:25	54.8	53.7	03:20-03:25	52.8	52.3
18:25-18:30	54.0	53.0	21:25-21:30	54.4	53.8	00:25-00:30	54.6	53.3	03:25-03:30	52.7	52.2
18:30-18:35	53.5	53.0	21:30-21:35	54.5	53.7	00:30-00:35	53.8	53.3	03:30-03:35	53.2	52.7
18:35-18:40	55.0	53.4	21:35-21:40	55.0	54.4	00:35-00:40	54.0	53.4	03:35-03:40	53.2	52.7
18:40-18:45	54.3	53.5	21:40-21:45	54.8	54.2	00:40-00:45	54.1	53.5	03:40-03:45	53.1	52.6
18:45-18:50	57.9	53.8	21:45-21:50	55.2	54.6	00:45-00:50	53.6	53.1	03:45-03:50	52.8	52.4
18:50-18:55	55.6	54.7	21:50-21:55	54.7	54.2	00:50-00:55	53.4	52.9	03:50-03:55	52.9	52.4
18:55-19:00	55.6	55.1	21:55-22:00	54.8	54.2	00:55-01:00	53.5	53.0	03:55-04:00	53.8	52.4
19:00-19:05	54.9	54.3	22:00-22:05	54.4	53.9	01:00-01:05	53.8	53.3	04:00-04:05	54.6	52.6
19:05-19:10	54.5	54.1	22:05-22:10	54.5	54.0	01:05-01:10	53.3	52.8	04:05-04:10	53.0	52.5
19:10-19:15	54.4	53.9	22:10-22:15	54.5	54.0	01:10-01:15	53.5	52.9	04:10-04:15	53.0	52.4
19:15-19:20	54.3	53.8	22:15-22:20	54.7	54.2	01:15-01:20	53.5	52.9	04:15-04:20	52.9	52.4
19:20-19:25	54.3	53.8	22:20-22:25	54.3	53.9	01:20-01:25	53.1	52.6	04:20-04:25	53.3	52.7
19:25-19:30	54.1	53.7	22:25-22:30	54.5	54.0	01:25-01:30	53.5	53.0	04:25-04:30	53.3	52.8
19:30-19:35	54.1	53.7	22:30-22:35	54.8	54.3	01:30-01:35	53.5	53.0	04:30-04:35	53.2	52.7
19:35-19:40	53.9	53.5	22:35-22:40	54.6	54.1	01:35-01:40	53.4	52.7	04:35-04:40	53.2	52.7
19:40-19:45	54.2	53.6	22:40-22:45	54.6	54.2	01:40-01:45	53.0	52.5	04:40-04:45	53.3	52.7
19:45-19:50	54.1	53.6	22:45-22:50	54.7	54.0	01:45-01:50	53.1	52.7	04:45-04:50	53.4	52.8
19:50-19:55	54.0	53.6	22:50-22:55	56.5	54.9	01:50-01:55	53.2	52.7	04:50-04:55	58.0	52.3
19:55-20:00	54.0	53.5	22:55-23:00	54.6	54.1	01:55-02:00	53.2	52.7	04:55-05:00	54.7	53.3



## ANALYSIS REPORT

Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)		
	Leq	L90	L90		Leq	L90	L90		Leq	L90	L90
17:00-17:05	55.4	52.8	20:00-20:05	55.4	54.3	23:00-23:05	55.2	54.1	02:00-02:05	53.2	52.8
17:05-17:10	52.9	52.2	20:05-20:10	54.4	53.9	23:05-23:10	54.8	54.2	02:05-02:10	53.2	52.7
17:10-17:15	54.3	52.4	20:10-20:15	54.2	53.5	23:10-23:15	54.9	54.2	02:10-02:15	53.3	52.7
17:15-17:20	54.0	52.2	20:15-20:20	54.6	53.9	23:15-23:20	55.3	54.4	02:15-02:20	53.5	53.0
17:20-17:25	53.0	52.0	20:20-20:25	54.7	54.1	23:20-23:25	54.4	53.7	02:20-02:25	53.4	52.7
17:25-17:30	53.3	52.4	20:25-20:30	55.1	54.3	23:25-23:30	54.6	53.9	02:25-02:30	53.0	52.5
17:30-17:35	53.3	52.4	20:30-20:35	54.7	54.0	23:30-23:35	54.9	54.2	02:30-02:35	53.2	52.6
17:35-17:40	53.0	52.4	20:35-20:40	54.6	54.0	23:35-23:40	54.6	53.8	02:35-02:40	53.2	52.6
17:40-17:45	52.9	52.3	20:40-20:45	54.5	53.8	23:40-23:45	54.5	53.8	02:40-02:45	53.2	52.6
17:45-17:50	53.3	52.6	20:45-20:50	54.5	53.9	23:45-23:50	54.1	53.4	02:45-02:50	53.9	52.8
17:50-17:55	53.3	52.6	20:50-20:55	54.7	53.8	23:50-23:55	54.5	53.8	02:50-02:55	53.3	52.8
17:55-18:00	54.0	52.8	20:55-21:00	54.8	54.2	23:55-00:00	54.5	53.9	02:55-03:00	53.3	52.7
18:00-18:05	53.7	52.9	21:00-21:05	55.4	54.7	00:00-00:05	54.3	53.5	03:00-03:05	53.1	52.6
18:05-18:10	53.2	52.6	21:05-21:10	55.3	54.7	00:05-00:10	54.2	53.6	03:05-03:10	53.3	52.7
18:10-18:15	53.7	52.8	21:10-21:15	55.6	54.7	00:10-00:15	54.2	53.5	03:10-03:15	53.2	52.7
18:15-18:20	54.2	53.2	21:15-21:20	55.0	54.4	00:15-00:20	54.2	53.5	03:15-03:20	53.1	52.6
18:20-18:25	57.2	53.6	21:20-21:25	55.0	54.4	00:20-00:25	54.6	53.5	03:20-03:25	53.2	52.6
18:25-18:30	55.5	53.0	21:25-21:30	55.3	54.5	00:25-00:30	53.9	53.3	03:25-03:30	53.2	52.6
18:30-18:35	53.8	53.0	21:30-21:35	55.1	54.4	00:30-00:35	55.2	53.5	03:30-03:35	53.1	52.6
18:35-18:40	53.2	52.7	21:35-21:40	54.7	54.0	00:35-00:40	54.0	53.4	03:35-03:40	53.2	52.7
18:40-18:45	53.7	53.1	21:40-21:45	54.9	54.0	00:40-00:45	54.0	53.4	03:40-03:45	53.0	52.6
18:45-18:50	54.2	53.4	21:45-21:50	54.8	54.1	00:45-00:50	53.8	53.2	03:45-03:50	53.0	52.5
18:50-18:55	55.2	54.5	21:50-21:55	54.9	54.2	00:50-00:55	53.8	53.2	03:50-03:55	53.1	52.5
18:55-19:00	55.2	54.6	21:55-22:00	54.9	53.9	00:55-01:00	54.5	53.5	03:55-04:00	53.0	52.4
19:00-19:05	54.8	54.3	22:00-22:05	55.1	54.3	01:00-01:05	54.4	53.4	04:00-04:05	54.0	52.7
19:05-19:10	55.9	54.7	22:05-22:10	54.9	54.4	01:05-01:10	54.0	53.1	04:05-04:10	54.2	52.7
19:10-19:15	55.0	54.1	22:10-22:15	54.8	54.2	01:10-01:15	53.6	53.0	04:10-04:15	53.1	52.7
19:15-19:20	54.4	53.8	22:15-22:20	54.7	54.0	01:15-01:20	53.4	52.8	04:15-04:20	53.2	52.7
19:20-19:25	54.1	53.5	22:20-22:25	54.7	54.2	01:20-01:25	53.4	52.9	04:20-04:25	53.3	52.8
19:25-19:30	53.8	53.5	22:25-22:30	54.5	54.0	01:25-01:30	53.5	53.0	04:25-04:30	53.4	52.7
19:30-19:35	54.6	53.8	22:30-22:35	54.5	53.9	01:30-01:35	53.3	52.8	04:30-04:35	53.4	52.8
19:35-19:40	55.4	53.8	22:35-22:40	54.8	54.1	01:35-01:40	53.2	52.7	04:35-04:40	53.4	52.8
19:40-19:45	54.2	53.4	22:40-22:45	55.1	54.1	01:40-01:45	53.5	52.8	04:40-04:45	53.4	52.9
19:45-19:50	54.2	53.7	22:45-22:50	54.6	54.0	01:45-01:50	53.5	52.9	04:45-04:50	53.6	53.0
19:50-19:55	55.1	54.5	22:50-22:55	54.6	54.0	01:50-01:55	53.4	52.7	04:50-04:55	53.3	52.7
19:55-20:00	55.0	54.3	22:55-23:00	55.0	54.3	01:55-02:00	53.1	52.6	04:55-05:00	53.6	52.9

Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point

GPS. Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

:Klong Luang Utilities Company Limited

:222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210

:Electricity and Steam Generating Cogeneration, Pathumthani Province Project

:1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani

:Ambient Noise

:Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

:UTM (WGS84) 47P 0674312 E, 1550833 N

:May 19, 2023

:Mr.Romseaa Katch

:Environment Research & Technology Co., Ltd.

:Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

Quotation No.

Analysis No.

Report No.

Report Date

: 2023-00675

: 2023-AB952-031

: 2023-RAA0801

: May 31, 2023

## ANALYSIS REPORT

Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)		
	Leq	L90	L90		Leq	L90	L90		Leq	L90	L90
05:00-05:05	54.0	53.3	08:00-08:05	53.4	52.5	11:00-11:05	52.7	51.9	14:00-14:05	53.0	52.2
05:05-05:10	53.5	52.9	08:05-08:10	53.3	52.3	11:05-11:10	52.4	51.6	14:05-14:10	52.6	51.9
05:10-05:15	53.4	52.9	08:10-08:15	54.2	52.5	11:10-11:15	52.9	52.1	14:10-14:15	52.8	52.1
05:15-05:20	54.8	53.1	08:15-08:20	53.5	52.6	11:15-11:20	52.9	52.1	14:15-14:20	52.6	52.0
05:20-05:25	57.5	52.7	08:20-08:25	53.2	52.5	11:20-11:25	53.5	52.4	14:20-14:25	52.7	52.1
05:25-05:30	54.0	52.7	08:25-08:30	53.5	52.4	11:25-11:30	53.4	52.4	14:25-14:30	52.4	51.7
05:30-05:35	53.9	52.9	08:30-08:35	53.6	52.3	11:30-11:35	53.8	53.1	14:30-14:35	52.9	52.0
05:35-05:40	54.0	53.0	08:35-08:40	53.3	52.1	11:35-11:40	53.0	52.3	14:35-14:40	53.1	52.1
05:40-05:45	54.5	53.1	08:40-08:45	52.8	51.8	11:40-11:45	52.8	52.2	14:40-14:45	52.5	51.9
05:45-05:50	53.9	52.9	08:45-08:50	56.4	52.5	11:45-11:50	53.0	52.3	14:45-14:50	52.5	51.7
05:50-05:55	54.0	52.9	08:50-08:55	53.8	52.6	11:50-11:55	53.4	52.8	14:50-14:55	52.3	51.6
05:55-06:00	54.6	52.8	08:55-09:00	54.1	52.8	11:55-12:00	53.1	52.0	14:55-15:00	52.7	52.0
06:00-06:05	53.7	52.8	09:00-09:05	53.1	52.3	12:00-12:05	52.7	51.9	15:00-15:05	53.7	52.4
06:05-06:10	53.4	52.8	09:05-09:10	53.4	52.4	12:05-12:10	52.6	51.9	15:05-15:10	52.9	52.1
06:10-06:15	53.4	52.7	09:10-09:15	53.6	52.5	12:10-12:15	52.5	51.7	15:10-15:15	53.2	52.3
06:15-06:20	53.9	52.7	09:15-09:20	53.1	52.3	12:15-12:20	53.2	51.6	15:15-15:20	53.0	52.0
06:20-06:25	54.3	52.9	09:20-09:25	53.5	52.3	12:20-12:25	52.7	52.2	15:20-15:25	56.8	52.0
06:25-06:30	55.7	53.0	09:25-09:30	55.3	54.3	12:25-12:30	52.0	51.2	15:25-15:30	59.1	52.4
06:30-06:35	53.7	53.0	09:30-09:35	55.3	54.5	12:30-12:35	52.5	51.7	15:30-15:35	55.1	52.0
06:35-06:40	53.5	52.8	09:35-09:40	55.3	54.6	12:35-12:40	56.5	51.8	15:35-15:40	61.7	52.0
06:40-06:45	53.7	53.0	09:40-09:45	55.3	54.3	12:40-12:45	52.1	51.5	15:40-15:45	60.0	51.1
06:45-06:50	54.2	53.1	09:45-09:50	55.7	54.9	12:45-12:50	52.7	51.5	15:45-15:50	52.7	51.7
06:50-06:55	53.9	52.8	09:50-09:55	54.9	53.8	12:50-12:55	52.1	51.4	15:50-15:55	52.3	51.5
06:55-07:00	53.9	52.9	09:55-10:00	54.5	53.6	12:55-13:00	53.3	51.9	15:55-16:00	58.0	52.0
07:00-07:05	53.9	52.9	10:00-10:05	55.2	53.6	13:00-13:05	52.7	51.9	16:00-16:05	61.6	52.1
07:05-07:10	53.9	52.8	10:05-10:10	53.7	52.5	13:05-13:10	52.4	51.9	16:05-16:10	61.8	52.2
07:10-07:15	53.7	52.9	10:10-10:15	53.0	52.4	13:10-13:15	52.5	51.9	16:10-16:15	60.7	52.0
07:15-07:20	53.5	52.8	10:15-10:20	53.5	52.2	13:15-13:20	53.3	52.2	16:15-16:20	57.8	52.6
07:20-07:25	53.3	52.7	10:20-10:25	53.4	52.5	13:20-13:25	52.4	51.8	16:20-16:25	55.5	51.5
07:25-07:30	53.9	52.7	10:25-10:30	53.4	52.2	13:25-13:30	53.5	52.1	16:25-16:30	54.9	52.2
07:30-07:35	53.8	52.7	10:30-10:35	53.3	52.2	13:30-13:35	52.8	52.1	16:30-16:35	60.0	52.1
07:35-07:40	54.5	53.0	10:35-10:40	53.0	52.3	13:35-13:40	53.5	52.2	16:35-16:40	59.5	52.3
07:40-07:45	55.3	53.0	10:40-10:45	52.8	52.2	13:40-13:45	52.6	51.7	16:40-16:45	64.1	54.5
07:45-07:50	54.6	52.6	10:45-10:50	52.8	52.2	13:45-13:50	52.9	52.2	16:45-16:50	61.5	52.5
07:50-07:55	53.4	52.3	10:50-10:55	53.4	52.2	13:50-13:55	52.2	51.4	16:50-16:55	53.8	52.6
07:55-08:00	53.5	52.2	10:55-11:00	52.8	52.1	13:55-14:00	52.8	52.2	16:55-17:00	54.4	52.2



## ANALYSIS REPORT

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
17:00-17:05	56.6	54.0	20:00-20:05	54.6	54.0	23:00-23:05	54.6	54.0	02:00-02:05	53.3	52.9
17:05-17:10	56.9	53.8	20:05-20:10	54.9	54.0	23:05-23:10	54.4	53.8	02:05-02:10	53.7	53.1
17:10-17:15	54.3	53.1	20:10-20:15	54.5	53.8	23:10-23:15	54.0	53.5	02:10-02:15	53.0	52.4
17:15-17:20	53.3	52.8	20:15-20:20	54.6	53.8	23:15-23:20	54.2	53.7	02:15-02:20	52.9	52.4
17:20-17:25	53.4	52.8	20:20-20:25	54.4	53.8	23:20-23:25	54.1	53.3	02:20-02:25	53.3	52.9
17:25-17:30	53.7	52.7	20:25-20:30	54.3	53.6	23:25-23:30	54.0	53.4	02:25-02:30	53.0	52.5
17:30-17:35	53.9	52.9	20:30-20:35	54.4	53.9	23:30-23:35	54.0	53.4	02:30-02:35	53.1	52.7
17:35-17:40	53.8	52.8	20:35-20:40	54.5	54.0	23:35-23:40	53.9	53.2	02:35-02:40	53.1	52.6
17:40-17:45	54.3	52.9	20:40-20:45	55.1	54.4	23:40-23:45	54.1	53.5	02:40-02:45	53.6	53.1
17:45-17:50	53.8	53.0	20:45-20:50	54.9	54.0	23:45-23:50	53.5	53.0	02:45-02:50	53.3	52.7
17:50-17:55	53.5	52.8	20:50-20:55	54.6	54.0	23:50-23:55	54.3	53.5	02:50-02:55	53.2	52.8
17:55-18:00	53.9	52.9	20:55-21:00	54.5	54.0	23:55-00:00	54.3	53.7	02:55-03:00	52.9	52.5
18:00-18:05	53.8	53.0	21:00-21:05	54.9	54.2	00:00-00:05	53.6	53.0	03:00-03:05	53.7	53.2
18:05-18:10	54.5	53.2	21:05-21:10	54.9	54.3	00:05-00:10	53.4	52.8	03:05-03:10	53.2	52.7
18:10-18:15	53.4	52.9	21:10-21:15	54.5	53.9	00:10-00:15	53.6	52.9	03:10-03:15	53.5	53.0
18:15-18:20	53.6	52.9	21:15-21:20	54.5	54.0	00:15-00:20	53.4	52.7	03:15-03:20	53.4	52.9
18:20-18:25	53.4	52.8	21:20-21:25	54.4	53.7	00:20-00:25	54.3	53.0	03:20-03:25	53.5	53.1
18:25-18:30	53.7	53.0	21:25-21:30	54.6	53.6	00:25-00:30	53.9	53.2	03:25-03:30	53.2	52.6
18:30-18:35	53.9	53.2	21:30-21:35	54.2	53.7	00:30-00:35	53.6	53.0	03:30-03:35	53.2	52.8
18:35-18:40	55.2	53.2	21:35-21:40	54.1	53.7	00:35-00:40	53.5	53.0	03:35-03:40	53.2	52.7
18:40-18:45	54.0	53.0	21:40-21:45	54.2	53.6	00:40-00:45	53.7	53.0	03:40-03:45	53.5	53.0
18:45-18:50	54.3	53.6	21:45-21:50	54.3	53.7	00:45-00:50	53.6	53.0	03:45-03:50	53.1	52.6
18:50-18:55	55.0	54.3	21:50-21:55	54.6	54.0	00:50-00:55	53.5	52.9	03:50-03:55	53.1	52.7
18:55-19:00	55.1	54.4	21:55-22:00	54.2	53.7	00:55-01:00	53.9	53.0	03:55-04:00	55.3	52.7
19:00-19:05	54.7	54.0	22:00-22:05	54.3	53.8	01:00-01:05	53.8	53.3	04:00-04:05	56.7	53.2
19:05-19:10	54.2	53.7	22:05-22:10	54.4	53.7	01:05-01:10	53.7	53.3	04:05-04:10	53.5	53.0
19:10-19:15	54.2	53.7	22:10-22:15	54.6	54.1	01:10-01:15	54.1	53.5	04:10-04:15	58.9	52.9
19:15-19:20	53.9	53.4	22:15-22:20	54.3	53.7	01:15-01:20	54.3	53.3	04:15-04:20	53.2	52.8
19:20-19:25	53.9	53.4	22:20-22:25	54.3	53.9	01:20-01:25	54.8	53.8	04:20-04:25	53.6	53.0
19:25-19:30	55.2	53.6	22:25-22:30	54.5	54.0	01:25-01:30	54.2	53.8	04:25-04:30	53.5	53.0
19:30-19:35	54.9	53.7	22:30-22:35	54.7	54.1	01:30-01:35	53.6	52.9	04:30-04:35	60.3	53.0
19:35-19:40	54.1	53.4	22:35-22:40	54.9	54.4	01:35-01:40	53.7	53.1	04:35-04:40	53.2	52.6
19:40-19:45	54.3	53.5	22:40-22:45	54.9	54.4	01:40-01:45	54.0	53.3	04:40-04:45	60.1	53.1
19:45-19:50	54.1	53.6	22:45-22:50	54.5	54.0	01:45-01:50	53.8	53.3	04:45-04:50	53.8	52.7
19:50-19:55	54.2	53.6	22:50-22:55	54.6	54.0	01:50-01:55	53.7	53.1	04:50-04:55	53.4	52.8
19:55-20:00	54.6	54.1	22:55-23:00	54.1	53.6	01:55-02:00	53.8	53.2	04:55-05:00	60.3	52.9

Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point

GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

:Klong Luang Utilities Company Limited

:222 ECGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210

:Electricity and Steam Generating Cogeneration, Pathumthani Province Project

:1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani

:Ambient Noise

:Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

:UTM (WGS84) 47P 0674312 E, 1550833 N

:May 20, 2023

:Mr.Romsae Kateh

:Environment Research & Technology Co., Ltd.

:Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

Quotation No.

Analysis No.

Report No.

Report Date

: 2023-00675

: 2023-AB952-031

: 2023-RAAJ801

: May 31, 2023

## ANALYSIS REPORT

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
05:00-05:05	60.4	53.1	08:00-08:05	53.9	53.1	11:00-11:05	53.6	52.8	14:00-14:05	53.4	52.4
05:05-05:10	54.0	52.8	08:05-08:10	54.5	53.5	11:05-11:10	53.3	52.4	14:05-14:10	53.8	52.4
05:10-05:15	53.5	53.0	08:10-08:15	53.9	52.7	11:10-11:15	53.3	52.6	14:10-14:15	53.2	52.4
05:15-05:20	59.6	52.9	08:15-08:20	53.5	52.6	11:15-11:20	53.5	52.9	14:15-14:20	52.8	52.2
05:20-05:25	60.5	53.4	08:20-08:25	53.3	52.7	11:20-11:25	53.3	52.7	14:20-14:25	53.4	52.5
05:25-05:30	53.9	53.1	08:25-08:30	54.2	53.1	11:25-11:30	53.3	52.8	14:25-14:30	54.1	53.2
05:30-05:35	53.7	52.8	08:30-08:35	53.7	53.1	11:30-11:35	53.5	52.9	14:30-14:35	54.6	53.4
05:35-05:40	55.8	53.2	08:35-08:40	53.9	53.2	11:35-11:40	53.6	52.8	14:35-14:40	53.7	53.2
05:40-05:45	55.1	53.1	08:40-08:45	53.6	53.0	11:40-11:45	53.4	52.8	14:40-14:45	53.8	53.5
05:45-05:50	55.0	53.3	08:45-08:50	53.5	52.9	11:45-11:50	53.4	52.7	14:45-14:50	53.5	53.1
05:50-05:55	54.4	53.2	08:50-08:55	53.6	53.0	11:50-11:55	53.4	52.7	14:50-14:55	53.4	52.9
05:55-06:00	53.8	52.9	08:55-09:00	54.4	53.1	11:55-12:00	53.5	52.6	14:55-15:00	53.6	53.1
06:00-06:05	54.5	53.1	09:00-09:05	54.3	53.5	12:00-12:05	52.8	52.2	15:00-15:05	53.7	52.9
06:05-06:10	53.9	52.8	09:05-09:10	54.5	53.8	12:05-12:10	53.7	52.4	15:05-15:10	53.6	52.9
06:10-06:15	53.4	52.6	09:10-09:15	53.6	53.0	12:10-12:15	53.9	52.9	15:10-15:15	53.7	52.9
06:15-06:20	53.7	52.5	09:15-09:20	54.1	53.0	12:15-12:20	53.7	53.2	15:15-15:20	54.1	52.9
06:20-06:25	54.8	53.0	09:20-09:25	53.9	53.2	12:20-12:25	53.5	52.9	15:20-15:25	53.6	52.9
06:25-06:30	54.0	53.4	09:25-09:30	54.5	53.7	12:25-12:30	53.6	53.1	15:25-15:30	53.2	52.5
06:30-06:35	54.6	53.4	09:30-09:35	54.4	53.2	12:30-12:35	53.5	52.8	15:30-15:35	53.4	52.8
06:35-06:40	55.8	53.5	09:35-09:40	54.4	53.6	12:35-12:40	54.3	53.4	15:35-15:40	53.4	52.9
06:40-06:45	55.0	53.3	09:40-09:45	53.6	52.9	12:40-12:45	53.5	52.7	15:40-15:45	53.4	52.7
06:45-06:50	54.5	53.2	09:45-09:50	53.9	53.1	12:45-12:50	53.4	52.6	15:45-15:50	54.2	53.2
06:50-06:55	53.7	52.9	09:50-09:55	54.4	53.7	12:50-12:55	53.6	53.0	15:50-15:55	54.2	53.6
06:55-07:00	53.8	53.0	09:55-10:00	53.9	53.3	12:55-13:00	53.4	52.8	15:55-16:00	53.9	53.4
07:00-07:05	53.5	53.0	10:00-10:05	53.7	53.0	13:00-13:05	53.7	53.3	16:00-16:05	54.5	53.6
07:05-07:10	53.6	53.2	10:05-10:10	54.1	53.3	13:05-13:10	53.4	52.8	16:05-16:10	54.3	53.6
07:10-07:15	53.4	52.7	10:10-10:15	53.9	53.3	13:10-13:15	53.4	52.7	16:10-16:15	54.9	54.0
07:15-07:20	53.5	53.0	10:15-10:20	54.6	53.5	13:15-13:20	53.4	52.9	16:15-16:20	54.3	53.6
07:20-07:25	53.7	53.0	10:20-10:25	54.6	53.9	13:20-13:25	53.2	52.7	16:20-16:25	54.4	53.4
07:25-07:30	55.3	53.0	10:25-10:30	54.2	53.4	13:25-13:30	53.5	52.9	16:25-16:30	53.8	53.1
07:30-07:35	54.3	53.0	10:30-10:35	54.7	54.1	13:30-13:35	54.1	53.1	16:30-16:35	55.5	54.0
07:35-07:40	53.7	53.0	10:35-10:40	55.7	54.1	13:35-13:40	55.3	52.9	16:35-16:40	54.4	53.8
07:40-07:45	54.0	53.0	10:40-10:45	55.5	54.4	13:40-13:45	53.2	52.4	16:40-16:45	54.3	53.6
07:45-07:50	54.2	53.1	10:45-10:50	55.3	54.2	13:45-13:50	53.9	52.3	16:45-16:50	55.1	53.7
07:50-07:55	53.3	52.7	10:50-10:55	54.2	53.2	13:50-13:55	53.1	52.6	16:50-16:55	55.2	53.6
07:55-08:00	53.9	53.0	10:55-11:00	53.8	53.2	13:55-14:00	53.4	52.8	16:55-17:00	54.3	53.7



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** :May 21, 2023  
**Measured By** :Mr.Romsea Kaleh  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0801  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
05:00-05:05	57.8	52.9	08:00-08:05	53.5	52.8	11:00-11:05	52.9	52.3
05:05-05:10	53.5	52.7	08:05-08:10	53.6	52.7	11:05-11:10	53.0	52.3
05:10-05:15	60.0	52.9	08:10-08:15	53.7	52.7	11:10-11:15	53.1	52.4
05:15-05:20	53.4	52.7	08:15-08:20	53.6	52.9	11:15-11:20	53.1	52.3
05:20-05:25	60.2	53.1	08:20-08:25	53.6	52.9	11:20-11:25	53.5	52.4
05:25-05:30	53.5	52.7	08:25-08:30	53.4	52.5	11:25-11:30	52.8	52.2
05:30-05:35	53.6	52.8	08:30-08:35	53.2	52.4	11:30-11:35	53.0	52.2
05:35-05:40	55.3	52.5	08:35-08:40	53.2	52.4	11:35-11:40	52.9	52.3
05:40-05:45	54.6	52.9	08:40-08:45	52.8	52.2	11:40-11:45	52.6	52.1
05:45-05:50	54.6	53.1	08:45-08:50	53.3	52.8	11:45-11:50	52.8	52.2
05:50-05:55	55.0	53.2	08:50-08:55	54.0	52.6	11:50-11:55	53.3	52.7
05:55-06:00	54.7	53.2	08:55-09:00	53.0	52.4	11:55-12:00	52.8	52.3
06:00-06:05	55.0	53.1	09:00-09:05	53.5	52.6	12:00-12:05	53.5	52.2
06:05-06:10	54.4	52.7	09:05-09:10	52.8	52.1	12:05-12:10	53.1	52.5
06:10-06:15	54.6	52.9	09:10-09:15	53.0	52.4	12:10-12:15	53.4	52.5
06:15-06:20	52.8	52.1	09:15-09:20	53.3	52.6	12:15-12:20	53.4	52.7
06:20-06:25	53.3	52.5	09:20-09:25	53.1	52.5	12:20-12:25	53.2	52.6
06:25-06:30	54.4	52.4	09:25-09:30	53.3	52.3	12:25-12:30	53.6	52.5
06:30-06:35	55.5	54.6	09:30-09:35	52.9	52.4	12:30-12:35	53.5	52.8
06:35-06:40	56.0	52.7	09:35-09:40	53.0	52.3	12:35-12:40	53.0	52.3
06:40-06:45	53.2	51.7	09:40-09:45	53.2	52.2	12:40-12:45	53.4	52.7
06:45-06:50	53.0	52.0	09:45-09:50	52.7	52.1	12:45-12:50	53.2	52.5
06:50-06:55	52.6	52.0	09:50-09:55	53.0	52.4	12:50-12:55	53.7	53.1
06:55-07:00	52.1	51.4	09:55-10:00	53.0	52.3	12:55-13:00	53.5	52.6
07:00-07:05	52.7	52.1	10:00-10:05	52.5	51.9	13:00-13:05	53.6	53.0
07:05-07:10	52.6	51.9	10:05-10:10	52.6	52.0	13:05-13:10	53.5	52.9
07:10-07:15	53.6	52.3	10:10-10:15	52.6	52.1	13:10-13:15	53.6	52.9
07:15-07:20	53.2	52.5	10:15-10:20	53.0	52.1	13:15-13:20	53.0	52.2
07:20-07:25	53.8	53.0	10:20-10:25	53.0	52.4	13:20-13:25	53.4	52.4
07:25-07:30	54.0	52.9	10:25-10:30	52.7	52.1	13:25-13:30	53.6	52.9
07:30-07:35	53.7	53.0	10:30-10:35	52.4	51.8	13:30-13:35	53.3	52.7
07:35-07:40	53.4	52.8	10:35-10:40	52.5	51.8	13:35-13:40	52.7	52.2
07:40-07:45	53.6	52.9	10:40-10:45	53.6	52.6	13:40-13:45	53.3	52.7
07:45-07:50	54.2	53.4	10:45-10:50	53.2	52.6	13:45-13:50	53.3	52.7
07:50-07:55	54.3	52.9	10:50-10:55	53.2	52.6	13:50-13:55	53.0	52.2
07:55-08:00	53.8	53.0	10:55-11:00	52.7	52.2	13:55-14:00	53.3	52.7

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Staff Dormitory of Teijin Polyester (Thailand) Co.,Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** :May 21-22, 2023  
**Measured By** :Mr.Romsea Kaleh  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0801  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
17:00-17:05	54.5	53.1	20:00-20:05	57.6	56.8	23:00-23:05	54.0	53.4
17:05-17:10	54.5	53.6	20:05-20:10	57.5	56.8	23:05-23:10	54.0	53.6
17:10-17:15	54.1	53.3	20:10-20:15	56.9	55.1	23:10-23:15	54.2	53.5
17:15-17:20	53.8	52.9	20:15-20:20	55.6	54.5	23:15-23:20	53.8	53.4
17:20-17:25	55.7	53.4	20:20-20:25	55.4	54.6	23:20-23:25	53.4	52.7
17:25-17:30	60.0	55.7	20:25-20:30	56.1	55.2	23:25-23:30	53.3	52.7
17:30-17:35	60.5	58.1	20:30-20:35	55.9	55.2	23:30-23:35	53.5	53.1
17:35-17:40	59.3	56.1	20:35-20:40	55.6	54.9	23:35-23:40	53.4	52.9
17:40-17:45	56.7	55.3	20:40-20:45	55.6	54.9	23:40-23:45	53.4	53.1
17:45-17:50	56.5	55.2	20:45-20:50	57.2	55.4	23:45-23:50	53.5	53.0
17:50-17:55	55.5	54.4	20:50-20:55	56.2	55.4	23:50-23:55	53.9	53.5
17:55-18:00	57.1	54.6	20:55-21:00	55.3	54.6	23:55-00:00	53.8	53.1
18:00-18:05	55.5	54.5	21:00-21:05	56.5	55.6	00:00-00:05	53.5	53.0
18:05-18:10	55.0	53.9	21:05-21:10	57.6	57.0	00:05-00:10	54.1	53.4
18:10-18:15	55.2	54.2	21:10-21:15	57.6	57.0	00:10-00:15	53.8	53.3
18:15-18:20	55.4	54.4	21:15-21:20	57.6	56.9	00:15-00:20	54.1	53.3
18:20-18:25	55.2	54.3	21:20-21:25	57.4	56.9	00:20-00:25	54.2	53.4
18:25-18:30	55.1	53.9	21:25-21:30	55.6	54.9	00:25-00:30	53.9	53.0
18:30-18:35	54.8	53.9	21:30-21:35	55.1	54.4	00:30-00:35	54.2	53.5
18:35-18:40	55.3	54.6	21:35-21:40	55.2	54.6	00:35-00:40	54.9	54.0
18:40-18:45	55.6	54.6	21:40-21:45	55.2	54.5	00:40-00:45	54.0	53.5
18:45-18:50	56.0	55.2	21:45-21:50	55.3	54.7	00:45-00:50	53.9	53.4
18:50-18:55	56.1	55.0	21:50-21:55	54.6	54.1	00:50-00:55	53.8	53.3
18:55-19:00	55.8	54.7	21:55-22:00	54.8	54.2	00:55-01:00	53.9	53.5
19:00-19:05	54.7	53.9	22:00-22:05	55.3	54.3	01:00-01:05	54.4	53.6
19:05-19:10	58.6	54.2	22:05-22:10	55.3	54.6	01:05-01:10	54.5	53.7
19:10-19:15	54.5	53.2	22:10-22:15	55.2	54.3	01:10-01:15	54.4	53.9
19:15-19:20	55.1	54.2	22:15-22:20	54.6	54.0	01:15-01:20	54.4	53.8
19:20-19:25	55.7	54.6	22:20-22:25	54.8	54.2	01:20-01:25	54.5	54.0
19:25-19:30	55.3	54.4	22:25-22:30	54.6	54.1	01:25-01:30	54.0	53.4
19:30-19:35	57.2	55.9	22:30-22:35	54.1	53.5	01:30-01:35	53.9	53.5
19:35-19:40	56.7	56.2	22:35-22:40	54.2	53.7	01:35-01:40	53.9	53.3
19:40-19:45	56.8	56.2	22:40-22:45	54.2	53.6	01:40-01:45	53.7	53.2
19:45-19:50	56.9	56.1	22:45-22:50	54.4	53.8	01:45-01:50	53.8	53.4
19:50-19:55	57.0	56.2	22:50-22:55	54.2	53.5	01:50-01:55	53.4	52.9
19:55-20:00	57.2	56.4	22:55-23:00	53.8	53.2	01:55-02:00	53.4	52.8







## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 17, 2023  
**Measured By** : Mr.Romsae Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0859  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level, dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Staff Dormitory of Teljin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	53.3	69.2
	09:00-10:00	54.3	67.7
	10:00-11:00	53.5	61.4
	11:00-12:00	53.3	66.9
	13:00-14:00	53.1	66.4
	14:00-15:00	53.9	72.4
8 Hours Measurement	15:00-16:00	53.4	64.3
	16:00-17:00	55.2	68.2
		53.8	72.4



  
(Ms.Supawan Suwannapa)  
Laboratory Reviewer

  
(Ms.Thanida Bunnrungrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Staff Dormitory of Teljin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS, Coordinate** : UTM (WGS84) 47P 0674312 E, 1550833 N  
**Measured Date** : May 23, 2023  
**Measured By** : Mr.Romsae Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0801  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
05:00-05:05	53.1	52.6	08:00-08:05	53.0	52.2	11:00-11:05	52.6	51.7
05:05-05:10	53.5	52.7	08:05-08:10	53.5	52.8	11:05-11:10	52.7	51.8
05:10-05:15	60.4	52.7	08:10-08:15	53.3	52.7	11:10-11:15	53.1	52.4
05:15-05:20	54.5	52.8	08:15-08:20	53.8	52.9	11:15-11:20	53.1	52.4
05:20-05:25	60.4	52.6	08:20-08:25	54.5	53.2	11:20-11:25	53.1	52.2
05:25-05:30	60.7	52.5	08:25-08:30	54.6	53.1	11:25-11:30	53.2	52.2
05:30-05:35	53.6	52.7	08:30-08:35	53.8	52.5	11:30-11:35	53.5	52.6
05:35-05:40	55.0	52.7	08:35-08:40	53.2	52.6	11:35-11:40	52.9	51.9
05:40-05:45	53.9	52.6	08:40-08:45	53.4	52.6	11:40-11:45	53.1	52.1
05:45-05:50	54.4	52.7	08:45-08:50	53.4	52.5	11:45-11:50	52.7	52.0
05:50-05:55	53.6	52.7	08:50-08:55	53.5	52.8	11:50-11:55	55.0	54.0
05:55-06:00	54.2	53.0	08:55-09:00	53.4	52.8	11:55-12:00	54.7	53.6
06:00-06:05	54.0	52.7	09:00-09:05	53.7	53.0	12:00-12:05	54.3	53.5
06:05-06:10	53.7	52.8	09:05-09:10	53.8	53.1	12:05-12:10	54.7	53.6
06:10-06:15	54.1	52.6	09:10-09:15	53.2	52.6	12:10-12:15	55.9	53.9
06:15-06:20	53.4	52.4	09:15-09:20	52.8	52.2	12:15-12:20	53.5	52.3
06:20-06:25	54.3	52.5	09:20-09:25	53.2	52.6	12:20-12:25	53.0	52.2
06:25-06:30	53.5	52.4	09:25-09:30	53.6	52.9	12:25-12:30	52.9	52.4
06:30-06:35	52.9	52.3	09:30-09:35	53.6	53.0	12:30-12:35	53.4	52.3
06:35-06:40	52.9	52.2	09:35-09:40	53.6	52.8	12:35-12:40	52.7	52.0
06:40-06:45	53.2	52.3	09:40-09:45	53.8	53.1	12:40-12:45	52.7	52.2
06:45-06:50	54.1	52.6	09:45-09:50	53.5	52.9	12:45-12:50	53.0	51.8
06:50-06:55	54.3	52.6	09:50-09:55	53.1	52.4	12:50-12:55	52.9	52.0
06:55-07:00	53.4	52.4	09:55-10:00	53.2	52.5	12:55-13:00	52.8	52.2
07:00-07:05	54.0	52.6	10:00-10:05	52.9	52.2	13:00-13:05	52.7	52.2
07:05-07:10	53.5	52.4	10:05-10:10	53.0	52.4	13:05-13:10	53.1	52.5
07:10-07:15	53.3	52.2	10:10-10:15	53.2	52.4	13:10-13:15	53.4	52.8
07:15-07:20	53.2	52.2	10:15-10:20	53.5	52.5	13:15-13:20	53.6	52.8
07:20-07:25	53.3	52.4	10:20-10:25	52.6	51.7	13:20-13:25	53.7	52.9
07:25-07:30	53.9	52.5	10:25-10:30	53.3	52.3	13:25-13:30	54.3	53.0
07:30-07:35	55.0	53.4	10:30-10:35	52.5	51.7	13:30-13:35	53.7	52.9
07:35-07:40	55.3	53.2	10:35-10:40	53.0	52.1	13:35-13:40	53.8	52.9
07:40-07:45	53.8	52.2	10:40-10:45	52.5	51.8	13:40-13:45	56.0	52.9
07:45-07:50	52.9	52.1	10:45-10:50	53.1	52.1	13:45-13:50	53.5	52.7
07:50-07:55	53.0	52.2	10:50-10:55	52.8	52.2	13:50-13:55	53.6	52.7
07:55-08:00	53.3	51.9	10:55-11:00	52.2	51.5	13:55-14:00	53.7	52.6



  
(Ms.Supawan Suwannapa)  
Laboratory Reviewer

  
(Ms.Thanida Bunnrungrueang)  
Laboratory Supervisor







## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 21, 2023  
**Measured By** : Mr. Romsea Kateh  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-A952-031  
**Report No.** : 2023-RAA859  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level: dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	53.4	67.7
	09:00-10:00	53.1	64.8
	10:00-11:00	52.8	72.2
	11:00-12:00	53.0	62.7
	13:00-14:00	53.3	62.1
	14:00-15:00	53.6	74.7
	15:00-16:00	53.2	63.9
	16:00-17:00	53.9	68.8
8 Hours Measurement		53.3	74.7



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunngrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 20, 2023  
**Measured By** : Mr. Romsea Kateh  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-A952-031  
**Report No.** : 2023-RAA859  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level: dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	53.8	70.6
	09:00-10:00	54.1	63.2
	10:00-11:00	54.6	63.9
	11:00-12:00	53.4	61.2
	13:00-14:00	53.7	73.1
	14:00-15:00	53.6	69.5
	15:00-16:00	53.7	65.8
	16:00-17:00	54.6	74.4
8 Hours Measurement		54.0	74.4



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunngrueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 23, 2023  
**Measured By** : Mr. Romsea Kateh  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0859  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level; dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	53.6	73.6
	09:00-10:00	53.4	62.4
	10:00-11:00	52.9	73.5
	11:00-12:00	53.4	68.5
	13:00-14:00	53.8	73.6
	14:00-15:00	54.3	66.3
8 Hours Measurement	15:00-16:00	55.1	75.9
	16:00-17:00	57.2	71.0
		54.4	75.9





(Ms. Supawan Suwanmapa)  
Laboratory Reviewer



(Ms. Thanida Bunngrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 22, 2023  
**Measured By** : Mr. Romsea Kateh  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820445

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-031  
**Report No.** : 2023-RAA0859  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level; dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Staff Dormitory of Teijin Polyester (Thailand) Co., Ltd., Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	54.2	65.7
	09:00-10:00	53.9	67.9
	10:00-11:00	53.8	74.4
	11:00-12:00	53.6	75.4
	13:00-14:00	53.6	67.9
	14:00-15:00	53.8	72.2
8 Hours Measurement	15:00-16:00	53.6	66.5
	16:00-17:00	54.3	74.1
		53.9	75.4





(Ms. Supawan Suwanmapa)  
Laboratory Reviewer



(Ms. Thanida Bunngrueang)  
Laboratory Supervisor



Analisis Report

Customer Name

Address

Project Name

Project Location

Measured Source

Measured Point

GPS, Coordinate

Measured Date

Measured By

Analyzed By

Measured Instrument

: Klong Luang Utilities Company Limited

: 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210

: Electricity and Steam Generating Cogeneration, Pathumthani Province Project

: 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani

: Ambient Noise

: Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province

: UTM (WGS84) 47P 0673741 E, 1550453 N

: May 17-18, 2023

: Mr. Ronsea Katch

: Environment Research & Technology Co., Ltd.

: Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

Quotation No. : 2023-00675

Analysis No. : 2023-AB952-029

Report No. : 2023-RAA793

Report Date : May 31, 2023

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
17:00-18:00	64.9	92.7	70.8	68.2	61.7	57.3
18:00-19:00	62.3	77.5	67.4	65.4	60.0	55.6
19:00-20:00	61.6	83.4	66.9	64.4	58.5	53.8
20:00-21:00	61.0	84.0	67.5	64.2	57.6	53.6
21:00-22:00	59.4	78.5	64.4	62.1	55.8	53.4
22:00-23:00	57.9	82.8	62.0	60.1	54.7	52.9
23:00-00:00	56.9	76.8	61.6	58.9	53.5	52.2
00:00-01:00	56.4	78.1	60.7	58.1	54.0	52.9
01:00-02:00	54.3	75.4	58.0	55.2	51.5	50.4
02:00-03:00	55.8	78.6	58.7	56.5	53.6	52.5
03:00-04:00	54.3	77.0	58.0	55.7	52.6	51.5
04:00-05:00	55.3	70.7	59.2	57.6	53.6	51.6
05:00-06:00	57.9	77.6	62.4	60.6	55.8	53.0
06:00-07:00	61.3	75.9	66.0	64.1	59.6	55.1
07:00-08:00	62.8	79.8	67.8	65.8	60.5	56.3
08:00-09:00	59.6	80.7	65.3	62.9	57.1	53.0
09:00-10:00	58.6	82.3	63.4	61.2	55.4	52.3
10:00-11:00	58.0	79.8	63.9	61.5	55.4	51.8
11:00-12:00	58.1	79.5	65.0	61.4	55.6	52.0
12:00-13:00	58.2	81.5	64.1	61.6	54.7	50.6
13:00-14:00	59.6	78.1	64.4	62.5	56.7	53.2
14:00-15:00	60.8	81.2	65.7	63.6	57.7	54.2
15:00-16:00	60.4	76.9	65.3	63.4	57.6	53.9
16:00-17:00	61.9	79.1	67.2	64.9	58.7	54.4
24 Hours Measurement	59.9	92.7	65.1	62.8	57.1	53.6
Standard <sup>1</sup>	70	115	-	-	-	-
Ldn	64.4	-	-	-	-	-

Remark : <sup>1</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).

(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunnungruang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Klong Nueng, Klong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** : May 18-19, 2023  
**Measured By** : Mr. Romseaa Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAAJ793  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)					
	Leq	Lmax	L5	L10	L50	L90
17:00-18:00	64.1	86.6	68.5	66.5	61.6	57.4
18:00-19:00	64.0	85.7	68.7	66.7	61.6	57.3
19:00-20:00	61.9	83.8	66.4	64.6	59.5	55.2
20:00-21:00	61.7	85.1	67.1	64.8	58.5	53.9
21:00-22:00	59.6	78.9	65.4	62.7	55.7	51.8
22:00-23:00	59.8	77.0	64.8	62.4	57.1	55.8
23:00-00:00	59.1	76.4	62.8	61.0	57.2	56.3
00:00-01:00	58.1	77.8	61.4	59.4	56.7	55.9
01:00-02:00	57.9	76.5	60.5	58.6	56.7	56.0
02:00-03:00	57.9	80.6	59.8	58.4	57.1	56.3
03:00-04:00	58.3	81.0	60.8	59.1	57.6	56.7
04:00-05:00	58.5	78.8	61.0	59.7	57.4	56.6
05:00-06:00	59.6	80.7	63.8	61.9	57.4	54.7
06:00-07:00	61.9	85.3	66.2	64.5	60.0	55.9
07:00-08:00	64.4	83.3	69.2	67.1	61.6	57.6
08:00-09:00	61.9	84.7	66.1	64.2	58.7	54.9
09:00-10:00	60.9	82.8	65.9	63.4	57.5	54.3
10:00-11:00	60.1	80.0	64.9	63.0	57.4	54.4
11:00-12:00	60.5	81.3	65.8	63.2	57.1	53.2
12:00-13:00	59.2	82.8	64.3	62.2	56.3	52.5
13:00-14:00	58.8	81.8	63.3	61.2	56.3	52.9
14:00-15:00	60.5	84.9	66.7	63.3	56.3	52.4
15:00-16:00	61.5	83.2	67.8	64.9	58.0	53.9
16:00-17:00	61.4	85.9	66.5	64.3	58.9	54.9
24 Hours Measurement	60.9	86.6	65.6	63.5	58.4	55.3
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	66.1	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunnungruang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Klong Nueng, Klong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** : May 19-20, 2023  
**Measured By** : Mr. Romseaa Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAAJ793  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)					
	Leq	Lmax	L5	L10	L50	L90
17:00-18:00	63.4	94.5	68.2	66.4	61.0	56.9
18:00-19:00	63.7	84.5	68.6	66.8	61.1	56.8
19:00-20:00	62.7	92.3	67.4	65.0	60.0	55.8
20:00-21:00	61.4	82.5	66.6	64.0	58.2	54.1
21:00-22:00	60.1	81.9	65.6	62.8	56.8	52.9
22:00-23:00	60.3	89.9	65.3	62.9	56.4	53.6
23:00-00:00	57.9	77.2	62.5	60.2	54.9	53.3
00:00-01:00	57.3	82.2	61.9	59.1	53.1	51.8
01:00-02:00	55.4	77.8	60.3	57.1	52.2	51.1
02:00-03:00	54.7	70.4	57.8	56.2	53.4	51.6
03:00-04:00	53.1	70.1	57.5	55.5	51.0	47.9
04:00-05:00	54.2	75.2	59.7	57.7	50.8	46.6
05:00-06:00	57.7	78.5	62.4	60.7	55.6	50.9
06:00-07:00	60.1	77.2	64.8	63.0	57.8	53.7
07:00-08:00	62.5	81.8	67.1	65.2	59.8	54.7
08:00-09:00	59.9	78.6	64.7	63.0	57.1	52.0
09:00-10:00	59.8	82.7	65.7	63.3	56.5	50.8
10:00-11:00	58.2	80.4	63.9	61.9	55.4	49.7
11:00-12:00	59.2	77.7	64.9	62.7	55.7	50.1
12:00-13:00	66.6	97.1	73.0	70.0	60.6	53.0
13:00-14:00	60.1	85.3	67.9	65.0	56.2	50.0
14:00-15:00	59.2	83.9	64.2	61.5	54.8	50.3
15:00-16:00	60.5	81.0	65.2	63.3	57.4	53.5
16:00-17:00	66.5	93.4	72.2	69.7	60.7	55.2
24 Hours Measurement	61.1	97.1	66.5	64.2	57.5	53.1
Standard <sup>1)</sup>	70	115	-	-	-	-
Ldn	65.0	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunnungruang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** : May 21-22, 2023  
**Measured By** : Mr.Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAAJ793  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
17:00-18:00	69.3	98.9	74.7	72.9	65.9	63.1
18:00-19:00	63.6	93.6	68.4	66.3	60.9	56.7
19:00-20:00	61.6	83.1	66.5	64.5	58.6	53.3
20:00-21:00	60.1	84.4	65.5	63.3	57.1	51.9
21:00-22:00	58.7	81.0	63.8	61.3	54.9	51.5
22:00-23:00	59.0	83.3	65.2	61.5	53.9	50.7
23:00-00:00	57.3	84.5	62.1	59.6	52.6	50.2
00:00-01:00	54.9	77.8	60.4	57.7	50.7	49.1
01:00-02:00	54.4	82.9	61.4	57.6	50.6	49.2
02:00-03:00	54.5	82.2	61.6	57.8	51.8	50.6
03:00-04:00	54.7	78.6	59.0	56.5	53.2	52.0
04:00-05:00	55.6	72.8	59.5	57.9	53.7	52.0
05:00-06:00	59.0	79.2	63.1	61.5	57.1	53.6
06:00-07:00	62.9	89.0	67.3	65.2	59.8	55.7
07:00-08:00	63.3	80.6	68.1	66.3	61.0	56.4
08:00-09:00	62.7	82.6	67.4	65.8	60.1	55.2
09:00-10:00	62.2	79.5	66.0	64.9	60.7	58.8
10:00-11:00	59.5	79.5	64.3	62.3	57.1	53.6
11:00-12:00	60.2	84.1	65.0	62.9	57.2	52.7
12:00-13:00	59.1	78.5	63.9	62.3	56.2	51.9
13:00-14:00	59.5	84.7	64.3	62.4	56.5	52.2
14:00-15:00	60.0	79.9	65.2	62.8	55.9	51.7
15:00-16:00	60.1	80.3	65.4	63.5	57.4	52.8
16:00-17:00	63.8	101.1	68.8	66.0	59.6	54.9
24 Hours Measurement	61.4	101.1	66.5	64.4	58.4	54.9
Standard <sup>1</sup>	70	115	-	-	-	-
Ldn	65.4	-	-	-	-	-

**Remark :** <sup>1</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms.Supawan Suwanapa)  
Laboratory Reviewer

(Ms.Thanida Bunnungueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** : May 20-21, 2023  
**Measured By** : Mr.Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAAJ793  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)					L90
	Leq	Lmax	L5	L10	L50	
17:00-18:00	68.5	90.7	74.5	72.0	63.6	58.3
18:00-19:00	67.7	95.7	75.5	72.9	64.4	58.8
19:00-20:00	62.3	81.3	67.1	65.1	59.2	55.4
20:00-21:00	60.4	88.1	65.9	63.5	57.9	54.1
21:00-22:00	60.7	81.3	65.7	63.4	57.4	54.7
22:00-23:00	60.9	87.7	65.2	62.4	57.2	55.3
23:00-00:00	59.5	82.9	63.6	61.3	57.0	56.0
00:00-01:00	58.7	76.0	64.2	61.5	55.8	54.3
01:00-02:00	57.7	85.0	61.6	59.2	55.9	54.9
02:00-03:00	56.6	78.5	58.9	57.5	55.8	54.7
03:00-04:00	56.2	77.6	58.8	57.5	55.4	54.4
04:00-05:00	56.7	72.4	60.5	58.9	54.8	52.8
05:00-06:00	57.6	73.1	61.7	60.3	55.8	54.0
06:00-07:00	59.2	79.4	64.1	62.1	56.9	53.4
07:00-08:00	63.4	80.6	68.9	66.1	60.1	55.9
08:00-09:00	61.6	82.3	67.0	64.7	58.8	54.0
09:00-10:00	60.1	84.5	65.0	62.6	56.8	53.1
10:00-11:00	60.0	75.3	65.2	63.4	57.5	52.8
11:00-12:00	60.0	77.7	65.3	63.0	57.3	52.5
12:00-13:00	60.7	81.5	65.5	63.6	57.8	53.9
13:00-14:00	59.1	85.0	64.2	62.0	56.2	52.1
14:00-15:00	59.4	90.0	64.2	62.2	56.7	52.5
15:00-16:00	64.9	92.0	70.5	67.9	59.4	53.8
16:00-17:00	65.0	86.8	70.6	68.2	61.2	56.0
24 Hours Measurement	62.1	95.7	67.9	65.5	58.7	54.8
Standard <sup>1</sup>	70	115	-	-	-	-
Ldn	66.0	-	-	-	-	-

**Remark :** <sup>1</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms.Supawan Suwanapa)  
Laboratory Reviewer

(Ms.Thanida Bunnungueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 22-23, 2023  
**Measured By** :Mr.Romsea Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAAJ793  
**Report Date** : May 31, 2023

Interval Time	Noise Level, dB(A)					
	Leq	Lmax	L5	L10	L50	L90
17:00-18:00	66.6	95.6	71.5	69.0	62.5	57.9
18:00-19:00	62.8	77.7	67.9	65.8	60.5	56.1
19:00-20:00	62.1	82.8	67.3	64.8	58.9	54.2
20:00-21:00	61.4	85.7	67.8	64.6	58.1	53.9
21:00-22:00	59.7	82.6	64.6	62.7	56.2	53.7
22:00-23:00	58.2	82.7	62.7	60.5	54.9	53.0
23:00-00:00	57.1	76.4	62.1	59.4	53.7	52.4
00:00-01:00	56.5	77.7	61.1	58.5	54.1	53.0
01:00-02:00	54.0	76.8	58.3	55.5	51.5	50.4
02:00-03:00	55.2	78.0	59.0	56.7	53.8	52.7
03:00-04:00	54.5	77.3	58.4	56.0	52.8	51.6
04:00-05:00	55.9	71.6	60.0	58.5	54.2	51.8
05:00-06:00	58.5	77.0	63.0	61.2	56.5	53.6
06:00-07:00	61.7	81.7	66.3	64.6	60.1	55.6
07:00-08:00	63.1	79.5	67.9	66.0	60.9	56.7
08:00-09:00	60.6	80.2	65.3	63.3	57.9	53.7
09:00-10:00	59.1	86.4	64.0	61.9	56.2	52.9
10:00-11:00	58.8	79.7	64.5	62.4	56.2	52.6
11:00-12:00	58.8	78.9	65.7	62.3	56.4	52.6
12:00-13:00	58.8	81.2	64.8	62.3	55.5	51.1
13:00-14:00	58.6	79.3	63.4	61.2	55.2	51.7
14:00-15:00	59.8	83.8	64.9	62.9	56.3	52.8
15:00-16:00	61.8	82.7	66.9	64.8	57.5	52.7
16:00-17:00	62.0	79.6	66.5	64.9	60.1	55.8
<b>24 Hours Measurement</b>	<b>60.4</b>	<b>95.6</b>	<b>65.5</b>	<b>63.2</b>	<b>57.6</b>	<b>53.8</b>
<b>Standard<sup>1)</sup></b>	<b>70</b>	<b>115</b>	-	-	-	-
<b>Ldn</b>	<b>64.8</b>	-	-	-	-	-

Remark : <sup>1)</sup> Notification of National Environmental Board, No.15, B.E.2540 (1997) under the Enhancement and Conservation of National Environmental Quality Act B.E.2535 (1992), published in the Royal Government Gazette No.114 Part 270 dated April 3, B.E.2540 (1997).



(Ms.Supawan Suwanapa)  
Laboratory Reviewer

(Ms.Thanida Bunrungruang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 16-17, 2023  
**Measured By** :Mr.Romsea Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAAJ791  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
17:00-17:05	63.6	56.5	20:00-20:05	61.9	54.1	23:00-23:05	61.2	51.5
17:05-17:10	61.4	55.9	20:05-20:10	59.9	53.9	23:05-23:10	60.2	52.0
17:10-17:15	66.9	57.9	20:10-20:15	63.3	54.0	23:10-23:15	59.4	52.1
17:15-17:20	66.3	58.2	20:15-20:20	60.4	53.7	23:15-23:20	60.3	51.7
17:20-17:25	62.8	57.6	20:20-20:25	59.2	53.1	23:20-23:25	54.5	51.5
17:25-17:30	63.0	57.1	20:25-20:30	59.3	53.3	23:25-23:30	58.9	51.7
17:30-17:35	63.5	57.5	20:30-20:35	60.4	52.7	23:30-23:35	59.4	51.8
17:35-17:40	63.7	57.6	20:35-20:40	61.6	54.7	23:35-23:40	61.2	51.3
17:40-17:45	64.9	57.1	20:40-20:45	59.9	54.6	23:40-23:45	55.6	50.5
17:45-17:50	62.5	56.7	20:45-20:50	59.8	54.8	23:45-23:50	59.7	50.9
17:50-17:55	62.4	56.0	20:50-20:55	63.4	53.8	23:50-23:55	57.1	51.3
17:55-18:00	63.0	56.6	20:55-21:00	60.4	53.1	23:55-00:00	56.7	51.4
18:00-18:05	62.8	57.2	21:00-21:05	62.0	53.4	00:00-00:05	59.8	50.4
18:05-18:10	62.9	55.0	21:05-21:10	59.8	53.1	00:05-00:10	54.8	50.9
18:10-18:15	65.0	57.5	21:10-21:15	60.9	52.8	00:10-00:15	55.2	50.9
18:15-18:20	63.5	58.0	21:15-21:20	60.9	53.0	00:15-00:20	56.0	51.9
18:20-18:25	63.2	57.3	21:20-21:25	60.0	53.3	00:20-00:25	58.7	52.2
18:25-18:30	65.1	57.0	21:25-21:30	60.5	54.4	00:25-00:30	57.0	51.5
18:30-18:35	61.0	55.8	21:30-21:35	60.0	54.4	00:30-00:35	58.5	51.7
18:35-18:40	62.0	57.1	21:35-21:40	59.9	53.7	00:35-00:40	55.1	51.0
18:40-18:45	61.6	56.8	21:40-21:45	58.5	51.8	00:40-00:45	58.9	50.9
18:45-18:50	63.4	57.0	21:45-21:50	58.6	52.6	00:45-00:50	56.1	50.7
18:50-18:55	60.9	56.4	21:50-21:55	58.1	52.4	00:50-00:55	57.3	51.2
18:55-19:00	62.3	57.4	21:55-22:00	57.8	52.1	00:55-01:00	53.5	50.8
19:00-19:05	62.9	56.3	22:00-22:05	59.3	51.7	01:00-01:05	56.9	50.3
19:05-19:10	61.6	54.9	22:05-22:10	60.6	52.7	01:05-01:10	53.1	50.5
19:10-19:15	63.3	55.8	22:10-22:15	59.0	52.1	01:10-01:15	53.9	50.6
19:15-19:20	61.9	54.9	22:15-22:20	57.2	51.7	01:15-01:20	54.6	50.6
19:20-19:25	61.5	55.0	22:20-22:25	57.7	52.0	01:20-01:25	54.7	50.8
19:25-19:30	59.6	53.4	22:25-22:30	57.4	51.9	01:25-01:30	52.2	50.3
19:30-19:35	61.1	53.5	22:30-22:35	60.4	51.7	01:30-01:35	52.3	50.4
19:35-19:40	62.2	53.7	22:35-22:40	56.9	51.6	01:35-01:40	53.1	50.2
19:40-19:45	62.5	54.2	22:40-22:45	54.5	51.4	01:40-01:45	52.4	50.1
19:45-19:50	60.6	54.3	22:45-22:50	56.8	51.7	01:45-01:50	52.3	50.4
19:50-19:55	59.6	53.4	22:50-22:55	55.4	50.8	01:50-01:55	52.6	50.2
19:55-20:00	61.7	54.4	22:55-23:00	55.6	51.2	01:55-02:00	55.2	49.9



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Klong Nueng, Klong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** : May 17, 2023  
**Measured By** : Mr.Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA791  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
05:00-05:05	57.4	54.3	08:00-08:05	62.2	56.2	11:00-11:05	58.6	52.6	14:00-14:05	59.2	54.3
05:05-05:10	60.4	56.7	08:05-08:10	64.0	54.6	11:05-11:10	57.9	54.0	14:05-14:10	57.0	51.2
05:10-05:15	59.8	55.7	08:10-08:15	64.3	54.3	11:10-11:15	62.2	54.5	14:10-14:15	58.9	50.4
05:15-05:20	59.9	55.9	08:15-08:20	61.6	54.1	11:15-11:20	61.2	54.9	14:15-14:20	60.0	52.8
05:20-05:25	60.0	56.1	08:20-08:25	60.5	54.4	11:20-11:25	59.1	54.4	14:20-14:25	60.0	53.5
05:25-05:30	59.2	56.0	08:25-08:30	62.9	54.7	11:25-11:30	58.6	54.2	14:25-14:30	61.4	53.2
05:30-05:35	59.1	55.3	08:30-08:35	61.3	54.7	11:30-11:35	62.1	55.7	14:30-14:35	62.3	55.0
05:35-05:40	59.3	55.2	08:35-08:40	58.4	53.7	11:35-11:40	59.9	55.3	14:35-14:40	58.4	53.8
05:40-05:45	59.7	54.6	08:40-08:45	59.6	54.6	11:40-11:45	64.0	54.8	14:40-14:45	57.7	52.8
05:45-05:50	58.6	55.3	08:45-08:50	60.5	55.9	11:40-11:45	59.8	55.3	14:45-14:50	57.8	53.1
05:50-05:55	60.5	55.6	08:50-08:55	59.1	53.6	11:50-11:55	58.5	53.6	14:50-14:55	60.9	53.8
05:55-06:00	61.8	54.7	08:55-09:00	62.6	54.9	11:55-12:00	59.2	54.3	14:55-15:00	56.3	50.5
06:00-06:05	62.4	55.5	09:00-09:05	61.8	55.7	12:00-12:05	57.5	51.8	15:00-15:05	62.0	52.0
06:05-06:10	59.2	54.9	09:05-09:10	62.8	57.0	12:05-12:10	58.5	51.3	15:05-15:10	59.5	52.7
06:10-06:15	59.7	54.8	09:10-09:15	60.3	55.3	12:10-12:15	60.6	52.2	15:10-15:15	59.1	53.3
06:15-06:20	62.1	57.1	09:15-09:20	61.0	55.5	12:15-12:20	58.8	54.6	15:15-15:20	56.5	51.0
06:20-06:25	61.1	55.4	09:20-09:25	62.4	57.4	12:20-12:25	58.7	54.6	15:20-15:25	59.5	49.8
06:25-06:30	61.7	56.6	09:25-09:30	60.3	56.5	12:25-12:30	58.1	53.7	15:25-15:30	57.7	51.5
06:30-06:35	61.5	55.8	09:30-09:35	60.8	56.6	12:30-12:35	58.6	53.8	15:30-15:35	58.9	52.5
06:35-06:40	62.0	56.1	09:35-09:40	60.7	55.6	12:35-12:40	57.2	51.1	15:35-15:40	60.5	53.0
06:40-06:45	61.6	56.8	09:40-09:45	59.7	54.3	12:40-12:45	58.2	52.8	15:40-15:45	59.9	52.8
06:45-06:50	62.3	56.5	09:45-09:50	62.0	54.2	12:45-12:50	60.3	53.2	15:45-15:50	59.1	52.9
06:50-06:55	64.5	58.0	09:50-09:55	58.9	53.1	12:50-12:55	58.1	51.7	15:50-15:55	57.9	51.7
06:55-07:00	60.7	55.9	09:55-10:00	61.1	54.0	12:55-13:00	58.0	51.8	15:55-16:00	59.4	51.7
07:00-07:05	61.1	55.6	10:00-10:05	59.0	54.0	13:00-13:05	59.3	51.4	16:00-16:05	59.2	52.0
07:05-07:10	62.9	57.9	10:05-10:10	58.5	53.2	13:05-13:10	55.9	50.9	16:05-16:10	60.3	52.8
07:10-07:15	61.6	57.0	10:10-10:15	58.1	52.8	13:10-13:15	60.6	52.8	16:10-16:15	62.1	53.3
07:15-07:20	61.4	55.9	10:15-10:20	58.4	52.9	13:15-13:20	57.1	51.7	16:15-16:20	59.5	53.1
07:20-07:25	62.8	56.5	10:20-10:25	61.6	53.8	13:20-13:25	59.7	52.2	16:20-16:25	60.7	53.7
07:25-07:30	63.0	56.1	10:25-10:30	60.0	54.2	13:25-13:30	59.0	53.3	16:25-16:30	62.8	53.9
07:30-07:35	66.1	57.4	10:30-10:35	58.2	54.2	13:30-13:35	59.4	51.7	16:30-16:35	62.9	55.3
07:35-07:40	62.0	57.1	10:35-10:40	59.7	54.6	13:35-13:40	59.6	54.0	16:35-16:40	59.6	52.7
07:40-07:45	64.1	57.0	10:40-10:45	58.6	53.9	13:40-13:45	58.7	54.4	16:40-16:45	60.7	55.0
07:45-07:50	64.0	56.7	10:45-10:50	59.2	53.4	13:45-13:50	58.2	53.7	16:45-16:50	61.9	54.7
07:50-07:55	61.6	56.7	10:50-10:55	60.8	54.4	13:50-13:55	62.7	52.9	16:50-16:55	63.8	54.2
07:55-08:00	63.0	56.9	10:55-11:00	60.5	55.0	13:55-14:00	59.6	53.6	16:55-17:00	67.2	57.2

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Klong Nueng, Klong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** : May 17-18, 2023  
**Measured By** : Mr.Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA791  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)				
	Leq	L90		Leq	L90		Leq	L90		Leq	L90		Leq	L90			
17:00-17:05	66.2	57.0	20:00-20:05	60.5	52.3	23:00-23:05	56.1	52.8	02:00-02:05	52.0	50.1	17:05-17:10	67.7	58.3	20:05-20:10	58.6	51.8
17:05-17:15	66.7	59.6	20:10-20:15	60.6	53.9	23:10-23:15	57.1	52.5	02:05-02:10	55.6	52.4	17:10-17:15	66.7	59.6	20:10-20:15	60.6	53.9
17:15-17:20	65.4	58.1	20:15-20:20	61.9	55.2	23:15-23:20	55.7	52.0	02:10-02:15	54.9	52.9	17:15-17:20	65.4	58.1	20:15-20:20	61.9	55.2
17:20-17:25	63.3	57.6	20:20-20:25	59.5	51.9	23:20-23:25	55.7	52.5	02:15-02:20	54.8	52.5	17:20-17:25	63.3	57.6	20:20-20:25	59.5	51.9
17:25-17:30	63.8	58.3	20:25-20:30	58.5	52.5	23:25-23:30	58.0	52.8	02:20-02:25	53.6	52.1	17:25-17:30	63.8	58.3	20:25-20:30	58.5	52.5
17:30-17:35	64.3	57.3	20:30-20:35	63.5	54.5	23:30-23:35	59.9	52.9	02:25-02:30	59.1	52.8	17:30-17:35	64.3	57.3	20:30-20:35	63.5	54.5
17:35-17:40	66.4	56.4	20:35-20:40	64.0	54.9	23:35-23:40	58.2	52.9	02:30-02:35	54.3	52.9	17:35-17:40	66.4	56.4	20:35-20:40	64.0	54.9
17:40-17:45	64.6	56.5	20:40-20:45	60.1	53.7	23:40-23:45	54.6	50.7	02:35-02:40	59.5	53.0	17:40-17:45	64.6	56.5	20:40-20:45	60.1	53.7
17:45-17:50	61.3	54.8	20:45-20:50	59.9	53.7	23:45-23:50	57.7	51.2	02:40-02:45	55.9	52.7	17:45-17:50	61.3	54.8	20:45-20:50	59.9	53.7
17:50-17:55	63.6	56.0	20:50-20:55	59.4	54.1	23:50-23:55	56.4	51.5	02:45-02:50	54.6	53.2	17:50-17:55	63.6	56.0	20:50-20:55	59.4	54.1
17:55-18:00	60.6	54.3	20:55-21:00	61.1	53.6	23:55-00:00	53.9	52.1	02:50-02:55	54.2	52.1	17:55-18:00	60.6	54.3	20:55-21:00	61.1	53.6
18:00-18:05	62.2	55.7	21:00-21:05	58.5	53.7	00:00-00:05	56.6	52.5	02:55-03:00	55.3	52.7	18:00-18:05	62.2	55.7	21:00-21:05	58.5	53.7
18:05-18:10	60.8	54.1	21:05-21:10	60.7	53.9	00:05-00:10	54.8	52.4	03:00-03:05	54.2	52.1	18:05-18:10	60.8	54.1	21:05-21:10	60.7	53.9
18:10-18:15	62.4	55.8	21:10-21:15	61.0	53.8	00:10-00:15	57.1	53.1	03:05-03:10	57.2	51.9	18:10-18:15	62.4	55.8	21:10-21:15	61.0	53.8
18:15-18:20	63.6	56.9	21:15-21:20	58.4	53.6	00:15-00:20	56.6	53.7	03:10-03:15	54.6	51.4	18:15-18:20	63.6	56.9	21:15-21:20	58.4	53.6
18:20-18:25	63.4	55.3	21:20-21:25	58.6	53.5	00:20-00:25	55.8	53.6	03:15-03:20	53.7	51.0	18:20-18:25	63.4	55.3	21:20-21:25	58.6	53.5
18:25-18:30	61.1	55.7	21:25-21:30	60.4	53.2	00:25-00:30	56.7	53.3	03:20-03:25	53.8	51.1	18:25-18:30	61.1	55.7	21:25-21:30	60.4	53.2
18:30-18:35	60.9	55.5	21:30-21:35	60.1	53.9	00:30-00:35	58.3	53.3	03:25-03:30	53.9	50.8	18:30-18:35	60.9	55.5	21:30-21:35	60.1	53.9
18:35-18:40	62.7	56.1	21:35-21:40	57.0	53.1	00:35-00:40	56.2	53.5	03:30-03:35	53.9	51.7	18:35-18:40	62.7	56.1	21:35-21:40	57.0	53.1
18:40-18:45	63.6	56.2	21:40-21:45	59.3	53.0	00:40-00:45	56.6	53.0	03:35-03:40	53.4	51.7	18:40-18:45	63.6	56.2	21:40-21:45	59.3	53.0
18:45-18:50	60.1	54.7	21:45-21:50	60.6	53.4	00:45-00:50	54.4	52.2	03:40-03:45	53.9	52.4	18:45-18:50	60.1	54.7	21:45-21:50	60.6	53.4
18:50-18:55	62.8	53.6	21:50-21:55	57.6	52.8	00:50-00:55	55.6	52.1	03:45-03:50	53.9	52.4	18:50-18:55	62.8	53.6	21:50-21:55	57.6	52.8
18:55-19:00	63.0	56.1	21:55-22:00	58.3	53.0	00:55-01:00	56.0	52.0	03:50-03:55	53.9	51.3	18:55-19:00	63.0	56.1	21:55-22:00	58.3	53.0
19:00-19:05	60.3	53.2	22:00-22:05	58.6	53.1	01:00-01:05	55.4	50.2	03:55-04:00	53.0	50.8	19:00-19:05	60.3	53.2	22:00-22:05	58.6	53.1
19:05-19:10	62.5	54.1	22:05-22:10	58.7	53.6	01:05-01:10	55.2	51.2	04:00-04:05	53.2	50.9	19:05-19:10	62.5	54.1	22:05-22:10	58.7	53.6
19:10-19:15	61.5	55.2	22:10-22:15	58.3	53.6	01:10-01:15	52.5	50.4	04:05-04:10	53.3	51.5	19:10-19:15	61.5	55.2	22:10-22:15	58.3	53.6
19:15-19:20	62.8	54.9	22:15-22:20	57.6	53.3	01:15-01:20	54.2	50.9	04:10-04:15	52.4	50.9	19:15-19:20	62.8	54.9	22:15-22:20	57.6	53.3
19:20-19:25	62.2	53.7	22:20-22:25	57.6	53.2	01:20-01:25	51.5	50.0	04:15-04:20	52.4	50.9	19:20-19:25	62.2	53.7	22:20-22:25	57.6	53.2
19:25-19:30	61.1	53.7	22:25-22:30	56.7	53.3	01:25-01:30	53.0	50.0	04:20-04:25	52.4	51.0	19:25-19:30	61.1	53.7	22:25-22:30	56.7	53.3
19:30-19:35	62.0	53.2	22:30-22:35	58.8	53.0	01:30-01:35	53.5	50.3	04:25-04:30	56.1	51.6	19:30-19:35	62.0	53.2	22:30-22:35	58.8	53.0
19:35-19:40	59.5	53.6	22:35-22:40	61.8	53.1	01:35-01:40	55.8	50.7	04:30-04:35	54.3	51.1	19:35-19:40	59.5	53.6	22:35-22:40	61.8	53.1
19:40-19:45	60.9	52.9	22:40-22:45	55.2	52.7	01:40-01:45	56.9	50.3	04:35-04:40	56.0	51.3	19:40-19:45	60.9	52.9	22:40-22:45	55.2	52.7
19:45-19:50	59.8	53.6	22:45-22:50	54.4	51.2	01:45-01:50	53.6	50.2	04:40-04:45	57.4	52.2	19:45-19:50	59.8	53.6	22:45-22:50	54.4	51.2
19:50-19:55	63.6	54.0	22:50-22:55	56.6	51.0	01:50-01:55	52.9	50.2	04:50-04:55	56.8	52.8	19:50-19:55	63.6	54.0	22:50-22:55	56.6	51.0
19:55-20:00	61.3	53.4	22:55-23:00	55.4	52.4	01:55-02:00	54.3	50.5	04:55-05:00	56.9	52.6	19:55-20:00	61.3	53.4	22:55-23:00	55.4	52.4



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 18, 2023  
**Measured By** :Mr.Romsae Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA1791  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
05:00-05:05	55.9	52.1	08:00-08:05	59.3	53.5	11:00-11:05	56.2	50.3
05:05-05:10	55.5	52.0	08:05-08:10	61.1	53.4	11:05-11:10	57.8	51.1
05:10-05:15	56.1	51.4	08:10-08:15	60.2	53.3	11:10-11:15	59.6	51.0
05:15-05:20	58.0	52.9	08:15-08:20	61.1	53.4	11:15-11:20	58.8	52.5
05:20-05:25	57.5	53.2	08:20-08:25	58.0	52.8	11:20-11:25	57.3	50.5
05:25-05:30	57.8	53.1	08:25-08:30	58.7	52.8	11:25-11:30	59.6	53.7
05:30-05:35	57.5	52.6	08:30-08:35	58.1	52.6	11:30-11:35	59.0	52.9
05:35-05:40	56.6	52.1	08:35-08:40	59.7	52.6	11:35-11:40	56.5	52.6
05:40-05:45	59.0	53.7	08:40-08:45	60.3	53.9	11:40-11:45	56.0	52.5
05:45-05:50	59.5	54.1	08:45-08:50	58.5	52.5	11:45-11:50	58.3	52.9
05:50-05:55	58.5	53.5	08:50-08:55	57.6	52.5	11:50-11:55	57.3	50.8
05:55-06:00	60.5	54.2	08:55-09:00	60.7	52.9	11:55-12:00	58.5	51.9
06:00-06:05	60.1	54.0	09:00-09:05	57.8	52.8	12:00-12:05	56.8	49.1
06:05-06:10	58.0	53.3	09:05-09:10	61.4	53.4	12:05-12:10	55.1	49.9
06:10-06:15	62.4	55.3	09:10-09:15	58.0	51.9	12:10-12:15	55.9	50.3
06:15-06:20	61.8	56.7	09:15-09:20	57.0	52.0	12:15-12:20	56.8	50.3
06:20-06:25	62.9	55.5	09:20-09:25	58.1	50.9	12:20-12:25	59.7	50.7
06:25-06:30	60.9	54.3	09:25-09:30	55.7	50.9	12:25-12:30	58.1	49.8
06:30-06:35	60.8	53.9	09:30-09:35	59.7	51.8	12:30-12:35	59.8	52.2
06:35-06:40	61.9	56.2	09:35-09:40	58.5	52.1	12:35-12:40	59.4	50.4
06:40-06:45	61.5	56.4	09:40-09:45	58.2	52.3	12:40-12:45	57.9	51.3
06:45-06:50	61.9	54.3	09:45-09:50	58.4	53.6	12:45-12:50	57.2	50.7
06:50-06:55	60.9	55.1	09:50-09:55	58.0	52.2	12:50-12:55	59.7	51.3
06:55-07:00	60.5	54.6	09:55-10:00	59.3	53.2	12:55-13:00	58.7	50.1
07:00-07:05	62.1	56.3	10:00-10:05	57.1	52.1	13:00-13:05	60.9	54.2
07:05-07:10	63.1	57.4	10:05-10:10	59.2	53.3	13:05-13:10	60.3	51.3
07:10-07:15	61.8	56.9	10:10-10:15	57.9	52.3	13:10-13:15	60.0	50.3
07:15-07:20	63.6	56.6	10:15-10:20	57.4	51.9	13:15-13:20	58.7	54.2
07:20-07:25	65.4	56.9	10:20-10:25	58.2	52.1	13:20-13:25	60.7	53.2
07:25-07:30	63.7	57.0	10:25-10:30	58.0	52.5	13:25-13:30	59.5	52.3
07:30-07:35	63.1	56.4	10:30-10:35	56.7	51.7	13:30-13:35	57.6	53.2
07:35-07:40	62.5	57.0	10:35-10:40	58.4	50.4	13:35-13:40	59.9	51.3
07:40-07:45	62.6	56.0	10:40-10:45	59.6	50.0	13:40-13:45	56.4	50.9
07:45-07:50	61.8	55.2	10:45-10:50	57.7	49.7	13:45-13:50	58.2	53.4
07:50-07:55	60.5	54.2	10:50-10:55	57.0	51.8	13:50-13:55	61.2	54.7
07:55-08:00	61.0	54.9	10:55-11:00	58.3	52.5	13:55-14:00	59.5	55.5

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 18, 2023  
**Measured By** :Mr.Romsae Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA1791  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
17:00-17:05	63.7	56.1	20:00-20:05	59.4	55.0	23:00-23:05	58.1	56.5
17:05-17:10	64.6	57.3	20:05-20:10	62.3	54.5	23:05-23:10	59.2	56.3
17:10-17:15	65.3	57.1	20:10-20:15	62.5	55.4	23:10-23:15	60.5	56.4
17:15-17:20	63.6	57.3	20:15-20:20	63.0	53.7	23:15-23:20	58.7	56.4
17:20-17:25	64.7	56.7	20:20-20:25	63.1	53.6	23:20-23:25	60.0	56.5
17:25-17:30	62.3	56.9	20:25-20:30	63.2	53.5	23:25-23:30	58.8	56.3
17:30-17:35	64.9	57.6	20:30-20:35	60.1	54.2	23:30-23:35	58.3	56.1
17:35-17:40	62.8	58.4	20:35-20:40	58.7	52.4	23:35-23:40	57.6	56.0
17:40-17:45	65.5	58.6	20:40-20:45	61.6	53.3	23:40-23:45	60.5	56.1
17:45-17:50	63.6	57.6	20:45-20:50	61.6	54.1	23:45-23:50	57.9	56.2
17:50-17:55	63.1	57.1	20:50-20:55	59.6	52.1	23:50-23:55	59.0	56.4
17:55-18:00	64.2	57.3	20:55-21:00	61.8	53.9	23:55-00:00	58.9	56.4
18:00-18:05	63.0	56.5	21:00-21:05	57.4	51.4	00:00-00:05	57.4	56.2
18:05-18:10	61.7	56.8	21:05-21:10	58.9	51.5	00:05-00:10	57.8	56.2
18:10-18:15	63.7	58.1	21:10-21:15	61.7	51.8	00:10-00:15	59.4	56.1
18:15-18:20	64.0	57.2	21:15-21:20	58.6	51.1	00:15-00:20	57.7	56.0
18:20-18:25	64.5	56.7	21:20-21:25	61.2	51.2	00:20-00:25	59.4	56.0
18:25-18:30	64.7	58.2	21:25-21:30	56.2	51.3	00:25-00:30	58.0	55.9
18:30-18:35	65.5	58.0	21:30-21:35	60.9	52.9	00:30-00:35	59.0	56.0
18:35-18:40	63.6	57.4	21:35-21:40	60.0	51.9	00:35-00:40	58.2	55.6
18:40-18:45	64.1	58.0	21:40-21:45	60.0	51.9	00:40-00:45	57.5	55.6
18:45-18:50	63.9	56.3	21:45-21:50	59.0	50.8	00:45-00:50	56.8	55.5
18:50-18:55	64.7	57.5	21:50-21:55	58.6	52.0	00:50-00:55	56.9	55.9
18:55-19:00	63.9	56.8	21:55-22:00	59.4	53.0	00:55-01:00	57.6	56.1
19:00-19:05	65.0	57.4	22:00-22:05	58.1	52.3	01:00-01:05	58.8	56.0
19:05-19:10	59.8	54.6	22:05-22:10	58.5	52.4	01:05-01:10	59.1	56.3
19:10-19:15	62.3	56.4	22:10-22:15	60.7	54.4	01:10-01:15	60.6	56.0
19:15-19:20	61.2	54.5	22:15-22:20	60.1	56.5	01:15-01:20	56.8	56.0
19:20-19:25	60.9	53.7	22:20-22:25	60.8	56.8	01:20-01:25	57.6	55.8
19:25-19:30	62.3	55.3	22:25-22:30	58.9	56.3	01:25-01:30	56.5	55.8
19:30-19:35	61.8	55.2	22:30-22:35	60.3	56.4	01:30-01:35	57.1	56.0
19:35-19:40	61.9	54.6	22:35-22:40	58.5	56.2	01:35-01:40	57.0	55.9
19:40-19:45	60.5	55.2	22:40-22:45	60.5	56.2	01:40-01:45	57.6	56.0
19:45-19:50	62.1	55.2	22:45-22:50	60.7	56.4	01:45-01:50	56.7	55.8
19:50-19:55	60.3	54.9	22:50-22:55	58.3	56.3	01:50-01:55	57.5	55.9
19:55-20:00	62.2	54.7	22:55-23:00	60.7	56.5	01:55-02:00	57.7	56.2



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 19, 2023  
**Measured By** :Mr.Romsae Kaleh  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** :2023-00675  
**Analysis No.** :2023-AB952-029  
**Report No.** :2023-RAA791  
**Report Date** :May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
05:00-05:05	59.4	56.7	08:00-08:05	64.2	55.8	11:00-11:05	58.9	54.1
05:05-05:10	59.1	56.8	08:05-08:10	61.2	54.7	11:05-11:10	60.5	53.1
05:10-05:15	62.0	55.5	08:10-08:15	62.4	56.0	11:10-11:15	61.5	53.4
05:15-05:20	59.5	54.4	08:15-08:20	61.1	55.3	11:15-11:20	59.7	51.7
05:20-05:25	58.5	53.8	08:20-08:25	61.3	55.1	11:20-11:25	58.6	52.3
05:25-05:30	60.2	54.4	08:25-08:30	63.0	54.3	11:25-11:30	61.9	52.7
05:30-05:35	59.5	53.3	08:30-08:35	62.8	53.9	11:30-11:35	59.9	53.0
05:35-05:40	59.4	53.8	08:35-08:40	62.1	55.8	11:35-11:40	60.6	54.3
05:40-05:45	58.6	54.0	08:40-08:45	60.8	55.7	11:40-11:45	61.7	53.8
05:45-05:50	59.3	53.6	08:45-08:50	59.8	53.7	11:45-11:50	62.0	52.5
05:50-05:55	58.2	54.0	08:50-08:55	62.8	54.2	11:50-11:55	58.3	52.1
05:55-06:00	60.2	54.8	08:55-09:00	59.3	54.1	11:55-12:00	60.0	54.1
06:00-06:05	59.6	53.8	09:00-09:05	62.0	53.3	12:00-12:05	60.2	53.3
06:05-06:10	59.2	53.3	09:05-09:10	63.7	54.6	12:05-12:10	60.1	53.1
06:10-06:15	61.8	55.6	09:10-09:15	58.7	54.1	12:10-12:15	58.6	52.2
06:15-06:20	62.4	56.6	09:15-09:20	60.2	54.4	12:15-12:20	59.8	51.7
06:20-06:25	64.9	58.0	09:20-09:25	59.3	54.7	12:20-12:25	60.1	51.0
06:25-06:30	60.5	55.1	09:25-09:30	59.7	52.7	12:25-12:30	58.8	53.0
06:30-06:35	62.6	55.3	09:30-09:35	60.6	53.6	12:30-12:35	58.0	52.6
06:35-06:40	62.5	56.0	09:35-09:40	61.2	55.4	12:35-12:40	59.3	53.2
06:40-06:45	61.5	56.3	09:40-09:45	59.6	54.8	12:40-12:45	56.7	52.5
06:45-06:50	63.0	56.2	09:45-09:50	62.3	55.5	12:45-12:50	58.9	53.1
06:50-06:55	60.5	55.8	09:50-09:55	60.1	54.3	12:50-12:55	59.9	52.3
06:55-07:00	61.1	56.6	09:55-10:00	60.1	53.2	12:55-13:00	58.5	51.1
07:00-07:05	62.9	56.6	10:00-10:05	59.3	54.7	13:00-13:05	59.6	53.0
07:05-07:10	64.4	57.3	10:05-10:10	59.4	54.4	13:05-13:10	60.3	53.3
07:10-07:15	63.6	57.8	10:10-10:15	57.6	53.5	13:10-10:15	59.8	54.4
07:15-07:20	63.9	57.2	10:15-10:20	57.8	53.4	13:15-13:20	58.5	54.5
07:20-07:25	63.0	57.9	10:20-10:25	59.3	53.3	13:20-13:25	58.6	52.6
07:25-07:30	65.4	57.2	10:25-10:30	60.3	56.2	13:25-16:30	61.7	55.9
07:30-07:35	64.6	58.1	10:30-10:35	60.1	54.6	16:30-16:35	59.3	54.3
07:35-07:40	63.7	58.5	10:35-10:40	58.9	54.1	16:35-16:40	60.2	54.3
07:40-07:45	67.1	59.3	10:40-10:45	61.5	52.7	16:40-16:45	63.0	53.0
07:45-07:50	64.3	58.4	10:45-10:50	59.7	53.2	16:45-16:50	63.4	55.1
07:50-07:55	65.4	56.4	10:50-10:55	62.9	53.2	16:50-16:55	60.3	55.4
07:55-08:00	61.7	54.7	10:55-11:00	61.3	57.1	16:55-17:00	63.7	55.2

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 19, 2023  
**Measured By** :Mr.Romsae Kaleh  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** :2023-00675  
**Analysis No.** :2023-AB952-029  
**Report No.** :2023-RAA791  
**Report Date** :May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90
17:00-17:05	62.8	55.3	20:00-20:05	62.3	53.0	23:00-23:05	58.0	54.1
17:05-17:10	63.6	57.5	20:05-20:10	58.6	52.8	23:05-23:10	57.7	54.2
17:10-17:15	63.3	56.6	20:10-20:15	62.5	55.7	23:10-23:15	59.1	54.2
17:15-17:20	64.4	58.5	20:15-20:20	62.0	54.1	23:15-23:20	60.0	53.2
17:20-17:25	65.3	58.8	20:20-20:25	60.7	54.9	23:20-23:25	56.9	52.2
17:25-17:30	63.4	56.7	20:25-20:30	61.5	54.7	23:25-23:30	56.0	51.6
17:30-17:35	62.8	56.5	20:30-20:35	60.2	54.3	23:30-23:35	56.7	53.3
17:35-17:40	62.7	55.8	20:35-20:40	63.1	53.6	23:35-23:40	58.7	54.2
17:40-17:45	63.1	56.8	20:40-20:45	60.2	53.1	23:40-23:45	58.4	53.7
17:45-17:50	61.1	56.7	20:45-20:50	61.8	54.5	23:45-23:50	57.6	53.2
17:50-17:55	61.7	56.5	20:50-20:55	60.7	54.2	23:50-23:55	57.6	52.7
17:55-18:00	65.1	55.4	20:55-21:00	61.9	53.5	23:55-00:00	56.0	52.0
18:00-18:05	59.4	54.6	21:00-21:05	62.0	54.1	00:00-00:05	56.7	51.9
18:05-18:10	65.1	56.1	21:05-21:10	61.3	54.7	00:05-00:10	57.0	51.6
18:10-18:15	62.7	55.7	21:10-21:15	59.6	54.4	00:10-00:15	56.6	52.0
18:15-18:20	61.9	55.6	21:15-21:20	59.4	54.7	00:15-00:20	55.7	51.6
18:20-18:25	62.1	57.0	21:20-21:25	61.4	54.1	00:20-00:25	58.9	52.0
18:25-18:30	64.3	57.4	21:25-21:30	59.1	49.3	00:25-00:30	57.9	52.1
18:30-18:35	64.1	58.8	21:30-21:35	59.4	49.9	00:30-00:35	56.4	51.8
18:35-18:40	63.5	56.6	21:35-21:40	58.4	50.1	00:35-00:40	60.0	52.0
18:40-18:45	65.6	57.5	21:40-21:45	58.9	50.1	00:40-00:45	58.6	51.9
18:45-18:50	65.3	58.5	21:45-21:50	59.2	52.5	00:45-00:50	53.3	51.5
18:50-18:55	64.1	55.1	21:50-21:55	59.0	52.1	00:50-00:55	58.1	51.7
18:55-19:00	63.1	56.1	21:55-22:00	61.1	53.4	00:55-01:00	54.0	51.3
19:00-19:05	62.2	56.2	22:00-22:05	63.4	54.3	01:00-01:05	53.8	50.8
19:05-19:10	65.9	56.0	22:05-22:10	63.1	53.5	01:05-01:10	56.4	51.0
19:10-19:15	63.0	56.5	22:10-22:15	60.1	52.8	01:10-01:15	58.2	51.1
19:15-19:20	62.0	56.8	22:15-22:20	57.9	53.1	01:15-01:20	54.3	51.1
19:20-19:25	61.4	56.7	22:20-22:25	58.6	53.8	01:20-01:25	54.6	51.1
19:25-19:30	63.8	56.0	22:25-22:30	57.4	53.4	01:25-01:30	54.4	50.9
19:30-19:35	61.5	56.0	22:30-22:35	57.2	52.7	01:30-01:35	57.1	50.9
19:35-19:40	62.7	56.9	22:35-22:40	60.4	53.2	01:35-01:40	53.6	51.0
19:40-19:45	61.4	55.8	22:40-22:45	62.0	53.7	01:40-01:45	54.5	51.2
19:45-19:50	60.9	54.2	22:45-22:50	58.3	53.7	01:45-01:50	54.7	51.1
19:50-19:55	62.9	53.5	22:50-22:55	60.2	54.2	01:50-01:55	56.1	51.1
19:55-20:00	61.6	54.0	22:55-23:00	59.7	54.0	01:55-02:00	54.0	51.6



## ANALYSIS REPORT

Customer Name	:Klong Luang Utilities Company Limited		
Address	:222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210		
Project Name	:Electricity and Steam Generating Cogeneration, Pathumthani Province Project		
Project Location	:11/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani		
Measured Source	:Ambient Noise		
Measured Point	:Common Area of Pak Thung White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province		
GPS. Coordinate	:UTM (WGS84) 47P 0673741 E, 150453 N		
Measured Date	:May 20-21, 2023		
Measured By	:Mr.Romsee Kateh		
Analyzed By	:Environment Research & Technology Co., Ltd.		
Measured Instrument	:Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463		
	Quotation No.	: 2023-00675	
	Analysis No.	: 2023-AB952-029	
	Report No.	: 2023-RAAJ791	
	Report Date	: May 31, 2023	

**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
17:00-17:05	65.3	56.4	20:00-20:05	60.2	54.6	23:00-23:05	58.1	54.0	02:00-02:05	57.4	55.0
17:05-17:10	63.1	55.6	20:05-20:10	60.7	54.1	23:05-23:10	56.9	54.3	02:05-02:10	56.0	54.8
17:10-17:15	66.8	57.6	20:10-20:15	60.4	54.1	23:10-23:15	58.7	56.0	02:10-02:15	57.4	54.6
17:15-17:20	65.3	58.0	20:15-20:20	59.5	54.1	23:15-23:20	62.0	56.2	02:15-02:20	56.8	55.0
17:20-17:25	64.8	57.2	20:20-20:25	60.4	53.7	23:20-23:25	58.5	56.2	02:20-02:25	56.9	55.1
17:25-17:30	66.0	57.2	20:25-20:30	59.4	54.6	23:25-23:30	59.1	56.2	02:25-02:30	55.1	51.3
17:30-17:35	70.9	59.0	20:30-20:35	62.1	53.5	23:30-23:35	58.0	55.9	02:30-02:35	56.0	53.0
17:35-17:40	73.2	61.0	20:35-20:40	59.9	53.5	23:35-23:40	60.6	56.1	02:35-02:40	56.8	55.3
17:40-17:45	70.9	58.2	20:40-20:45	60.1	53.8	23:40-23:45	59.2	56.5	02:40-02:45	56.4	55.4
17:45-17:50	69.7	59.8	20:45-20:50	60.9	54.8	23:45-23:50	59.9	56.5	02:45-02:50	56.4	55.3
17:50-17:55	68.3	58.4	20:50-20:55	58.3	53.7	23:50-23:55	60.5	56.5	02:50-02:55	56.8	55.3
17:55-18:00	65.6	58.3	20:55-21:00	62.0	54.2	23:55-00:00	60.4	56.3	02:55-03:00	56.3	55.0
18:00-18:05	65.0	58.0	21:00-21:05	60.5	53.6	00:00-00:05	61.7	55.9	03:00-03:05	57.0	54.9
18:05-18:10	63.5	56.9	21:05-21:10	61.2	54.7	00:05-00:10	61.5	55.1	03:05-03:10	56.2	54.8
18:10-18:15	67.3	58.7	21:10-21:15	61.6	55.0	00:10-00:15	56.6	54.8	03:10-03:15	56.3	54.8
18:15-18:20	64.1	59.1	21:15-21:20	63.3	54.6	00:15-00:20	59.5	55.1	03:15-03:20	57.4	54.7
18:20-18:25	65.2	57.0	21:20-21:25	60.8	54.6	00:20-00:25	58.5	54.8	03:20-03:25	55.7	54.4
18:25-18:30	65.0	57.9	21:25-21:30	60.7	54.7	00:25-00:30	60.4	53.7	03:25-03:30	55.5	54.3
18:30-18:35	65.4	58.0	21:30-21:35	59.0	54.9	00:30-00:35	55.2	50.9	03:30-03:35	55.8	54.6
18:35-18:40	69.7	59.5	21:35-21:40	61.5	54.5	00:35-00:40	55.2	51.3	03:35-03:40	56.2	54.5
18:40-18:45	69.9	59.7	21:40-21:45	60.9	55.1	00:40-00:45	58.1	52.3	03:40-03:45	56.6	54.7
18:45-18:50	70.1	60.4	21:45-21:50	58.1	54.6	00:45-00:50	57.0	54.7	03:45-03:50	55.5	54.4
18:50-18:55	69.1	60.5	21:50-21:55	60.3	55.0	00:50-00:55	56.7	54.8	03:50-03:55	57.6	54.0
18:55-19:00	70.0	57.8	21:55-22:00	58.4	54.9	00:55-01:00	57.2	54.7	03:55-04:00	53.9	52.3
19:00-19:05	64.0	56.6	22:00-22:05	60.7	54.9	01:00-01:05	56.9	54.4	04:00-04:05	54.0	51.2
19:05-19:10	63.3	56.7	22:05-22:10	59.2	55.2	01:05-01:10	57.3	55.3	04:05-04:10	54.8	51.6
19:10-19:15	64.2	55.9	22:10-22:15	62.7	56.0	01:10-01:15	56.7	54.8	04:10-04:15	53.6	51.8
19:15-19:20	63.9	55.7	22:15-22:20	61.7	55.9	01:15-01:20	57.1	55.1	04:15-04:20	55.7	51.3
19:20-19:25	61.6	55.3	22:20-22:25	58.6	55.1	01:20-01:25	57.4	55.2	04:20-04:25	56.4	51.8
19:25-19:30	61.2	55.0	22:25-22:30	59.8	55.2	01:25-01:30	57.0	55.0	04:25-04:30	54.9	51.5
19:30-19:35	59.8	54.6	22:30-22:35	58.9	55.2	01:30-01:35	60.4	55.3	04:30-04:35	55.5	52.8
19:35-19:40	60.2	53.8	22:35-22:40	65.4	55.5	01:35-01:40	57.5	54.8	04:35-04:40	55.9	53.9
19:40-19:45	61.4	55.1	22:40-22:45	59.0	55.3	01:40-01:45	56.7	54.8	04:40-04:45	56.6	53.9
19:45-19:50	60.7	54.9	22:45-22:50	61.0	56.3	01:45-01:50	58.0	54.6	04:45-04:50	58.6	54.4
19:50-19:55	62.7	55.5	22:50-22:55	59.3	54.7	01:50-01:55	58.0	55.1	04:50-04:55	59.6	53.8
19:55-20:00	61.6	55.3	22:55-23:00	56.5	54.0	01:55-02:00	58.2	54.9	04:55-05:00	59.1	54.1



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 21, 2023  
**Measured By** :Mr.Romsea Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA0791  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)		
	Leq	L90	L90		Leq	L90	L90		Leq	L90	L90
05:00-05:05	58.7	54.3	08:00-08:05	62.7	54.9	11:00-11:05	59.2	51.8	14:00-14:05	60.2	53.3
05:05-05:10	57.5	54.1	08:05-08:10	60.1	53.5	11:05-11:10	60.1	52.5	14:05-14:10	60.4	54.0
05:10-05:15	57.7	54.3	08:10-08:15	60.0	53.6	11:10-11:15	58.1	51.1	14:10-14:15	60.2	53.5
05:15-05:20	57.3	54.4	08:15-08:20	62.2	53.7	11:15-11:20	59.0	50.8	14:15-14:20	61.0	51.1
05:20-05:25	58.5	54.7	08:20-08:25	60.4	54.0	11:20-11:25	59.5	51.3	14:20-14:25	58.8	52.9
05:25-05:30	57.5	55.1	08:25-08:30	60.3	53.7	11:25-11:30	59.9	52.5	14:25-14:30	60.2	53.5
05:30-05:35	58.1	54.7	08:30-08:35	60.2	53.0	11:30-11:35	62.2	52.3	14:30-14:35	59.4	52.1
05:35-05:40	57.0	54.2	08:35-08:40	61.3	53.4	11:35-11:40	60.9	54.1	14:35-14:40	58.6	51.5
05:40-05:45	58.0	54.1	08:40-08:45	61.5	54.7	11:40-11:45	59.3	52.6	14:40-14:45	58.4	51.9
05:45-05:50	56.3	52.2	08:45-08:50	64.1	54.3	11:45-11:50	58.2	52.7	14:45-14:50	58.2	50.9
05:50-05:55	56.2	52.1	08:50-08:55	61.4	54.8	11:50-11:55	59.9	53.7	14:50-14:55	57.4	51.8
05:55-06:00	57.8	52.0	08:55-09:00	62.3	53.4	11:55-12:00	61.3	53.2	14:55-15:00	58.8	51.9
06:00-06:05	57.6	53.3	09:00-09:05	60.2	52.8	12:00-12:05	57.3	51.3	15:00-15:05	61.8	52.0
06:05-06:10	59.9	54.0	09:05-09:10	57.2	52.3	12:05-12:10	60.1	51.9	15:05-15:10	58.9	52.1
06:10-06:15	58.9	52.9	09:10-09:15	60.9	52.5	12:10-12:15	60.8	53.8	15:10-15:15	60.6	53.6
06:15-06:20	59.7	53.1	09:15-09:20	57.8	52.2	12:15-12:20	59.4	52.8	15:15-15:20	60.0	52.7
06:20-06:25	58.6	52.7	09:20-09:25	59.1	51.7	12:20-12:25	64.6	55.1	15:20-15:25	66.7	54.0
06:25-06:30	57.6	53.0	09:25-09:30	59.2	51.8	12:25-12:30	61.5	56.0	15:25-15:30	65.1	55.0
06:30-06:35	57.9	53.8	09:30-09:35	58.6	54.5	12:30-12:35	60.1	55.8	15:30-15:35	69.7	55.2
06:35-06:40	59.6	54.3	09:35-09:40	63.6	55.5	12:35-12:40	61.5	55.2	15:35-15:40	68.7	55.6
06:40-06:45	58.8	52.7	09:40-09:45	60.0	53.8	12:40-12:45	60.3	54.2	15:40-15:45	61.3	53.3
06:45-06:50	61.6	53.7	09:45-09:50	58.9	52.5	12:45-12:50	59.6	53.0	15:45-15:50	61.1	52.7
06:50-06:55	59.6	52.9	09:50-09:55	60.0	52.2	12:50-12:55	58.9	52.3	15:50-15:55	63.4	53.6
06:55-07:00	59.3	53.5	09:55-10:00	61.9	53.6	12:55-13:00	59.4	51.3	15:55-16:00	64.5	54.4
07:00-07:05	60.5	53.9	10:00-10:05	60.9	52.6	13:00-13:05	61.8	51.9	16:00-16:05	63.5	54.9
07:05-07:10	63.2	54.1	10:05-10:10	59.9	52.6	13:05-13:10	60.3	52.6	16:05-16:10	65.9	55.6
07:10-07:15	59.7	54.3	10:10-10:15	60.0	52.3	13:10-13:15	58.7	53.5	16:10-16:15	65.5	57.3
07:15-07:20	62.5	55.9	10:15-10:20	60.1	52.1	13:15-13:20	57.5	52.6	16:15-16:20	61.2	55.3
07:20-07:25	64.0	55.2	10:20-10:25	61.1	53.9	13:20-13:25	58.1	52.0	16:20-16:25	66.5	55.1
07:25-07:30	60.8	54.9	10:25-10:30	60.5	53.4	13:25-13:30	57.7	50.3	16:25-16:30	67.0	57.2
07:30-07:35	63.7	54.5	10:30-10:35	59.1	52.8	13:30-13:35	57.6	51.8	16:30-16:35	65.9	57.0
07:35-07:40	63.7	56.5	10:35-10:40	59.4	53.4	13:35-13:40	58.9	53.1	16:35-16:40	63.9	54.8
07:40-07:45	64.3	54.8	10:40-10:45	59.9	52.5	13:40-13:45	57.7	50.2	16:40-16:45	65.2	55.6
07:45-07:50	64.6	55.0	10:45-10:50	59.5	52.0	13:45-13:50	57.1	51.6	16:45-16:50	65.9	56.4
07:50-07:55	63.1	57.3	10:50-10:55	60.4	52.0	13:50-13:55	61.5	51.7	16:50-16:55	63.0	56.1
07:55-08:00	66.6	59.7	10:55-11:00	58.4	53.1	13:55-14:00	59.1	53.1	16:55-17:00	62.3	56.1

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 21-22, 2023  
**Measured By** :Mr.Romsea Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA0791  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)			Interval Time	Noise Level For 5 minutes, dB(A)		
	Leq	L90	L90		Leq	L90	L90		Leq	L90	L90
17:00-17:05	65.9	58.6	20:00-20:05	62.1	52.9	23:00-23:05	56.1	49.9	02:00-02:05	51.1	49.4
17:05-17:10	71.5	61.4	20:05-20:10	61.7	52.9	23:05-23:10	54.1	49.9	02:05-02:10	55.8	49.3
17:10-17:15	71.2	60.8	20:10-20:15	60.1	52.3	23:10-23:15	53.4	49.6	02:10-02:15	53.1	49.9
17:15-17:20	71.7	60.0	20:15-20:20	61.0	52.5	23:15-23:20	60.0	49.9	02:15-02:20	53.9	49.9
17:20-17:25	69.7	60.2	20:20-20:25	58.3	52.4	23:20-23:25	59.6	50.9	02:20-02:25	53.1	49.8
17:25-17:30	69.8	65.5	20:25-20:30	60.1	52.4	23:25-23:30	59.0	50.6	02:25-02:30	54.4	50.8
17:30-17:35	72.6	70.7	20:30-20:35	59.8	51.3	23:30-23:35	56.8	50.1	02:30-02:35	56.4	51.1
17:35-17:40	68.6	59.5	20:35-20:40	59.9	50.6	23:35-23:40	56.2	50.4	02:35-02:40	54.4	51.2
17:40-17:45	65.5	58.5	20:40-20:45	58.7	51.1	23:40-23:45	57.9	50.8	02:40-02:45	55.5	50.8
17:45-17:50	64.1	59.4	20:45-20:50	60.7	50.9	23:45-23:50	57.3	50.3	02:45-02:50	55.1	50.2
17:50-17:55	64.0	59.2	20:50-20:55	58.6	50.9	23:50-23:55	56.9	50.0	02:50-02:55	53.6	51.4
17:55-18:00	65.7	58.7	20:55-21:00	58.5	51.1	23:55-00:00	54.6	49.1	02:55-03:00	55.4	52.5
18:00-18:05	64.7	56.9	21:00-21:05	60.4	51.4	00:00-00:05	54.2	48.9	03:00-03:05	54.4	52.7
18:05-18:10	61.8	56.8	21:05-21:10	58.8	51.2	00:05-00:10	55.4	50.3	03:05-03:10	53.4	51.9
18:10-18:15	64.1	57.5	21:10-21:15	57.8	51.9	00:10-00:15	57.3	49.0	03:10-03:15	53.9	52.2
18:15-18:20	64.9	57.1	21:15-21:20	59.0	52.3	00:15-00:20	55.3	49.3	03:15-03:20	54.6	52.4
18:20-18:25	61.7	56.2	21:20-21:25	60.6	51.9	00:20-00:25	54.3	49.3	03:20-03:25	54.9	51.9
18:25-18:30	64.1	57.1	21:25-21:30	56.2	51.0	00:25-00:30	55.0	48.6	03:25-03:30	56.0	51.8
18:30-18:35	62.8	56.1	21:30-21:35	61.6	52.0	00:30-00:35	53.7	48.7	03:30-03:35	55.4	51.8
18:35-18:40	66.1	57.0	21:35-21:40	57.7	52.2	00:35-00:40	53.1	48.7	03:35-03:40	53.9	51.9
18:40-18:45	61.9	56.3	21:40-21:45	57.0	51.2	00:40-00:45	52.4	49.1	03:40-03:45	55.3	51.6
18:45-18:50	62.5	57.4	21:45-21:50	56.8	51.2	00:45-00:50	53.4	49.1	03:45-03:50	53.8	51.5
18:50-18:55	63.8	56.3	21:50-21:55	56.6	51.0	00:50-00:55	58.3	48.9	03:50-03:55	55.3	52.5
18:55-19:00	62.5	54.9	21:55-22:00	57.4	50.3	00:55-01:00	52.0	48.6	03:55-04:00	54.7	51.9
19:00-19:05	61.3	53.9	22:00-22:05	59.7	50.9	01:00-01:05	57.1	48.7	04:00-04:05	55.8	52.8
19:05-19:10	62.0	54.8	22:05-22:10	58.2	51.3	01:05-01:10	58.1	49.0	04:05-04:10	55.0	51.6
19:10-19:15	60.5	53.2	22:10-22:15	61.3	51.5	01:10-01:15	53.4	49.0	04:10-04:15	53.0	51.0
19:15-19:20	62.4	53.9	22:15-22:20	61.4	50.7	01:15-01:20	54.2	48.5	04:15-04:20	54.1	51.8
19:20-19:25	60.9	53.5	22:20-22:25	58.2	50.8	01:20-01:25	54.2	49.4	04:20-04:25	54.9	52.0
19:25-19:30	60.6	52.8	22:25-22:30	56.4	50.3	01:25-01:30	53.2	49.1	04:25-04:30	54.6	52.1
19:30-19:35	62.4	52.4	22:30-22:35	53.9	50.2	01:30-01:35	50.6	49.0	04:30-04:35	55.8	52.0
19:35-19:40	62.0	52.9	22:35-22:40	61.6	51.2	01:35-01:40	51.9	49.5	04:35-04:40	55.1	50.9
19:40-19:45	61.1	53.5	22:40-22:45	55.6	50.6	01:40-01:45	54.2	49.4	04:40-04:45	55.0	51.5
19:45-19:50	61.3	52.9	22:45-22:50	60.8	49.9	01:45-01:50	52.4	49.1	04:45-04:50	55.9	51.9
19:50-19:55	61.6	52.7	22:50-22:55	56.7	50.0	01:50-01:55	54.2	49.2	04:50-04:55	57.0	52.8
19:55-20:00	62.2	52.6	22:55-23:00	55.4	50.2	01:55-02:00	53.6	49.9	04:55-05:00	58.2	53.2



## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 22, 2023  
**Measured By** :Mr.Romsae Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** :2023-00675  
**Analysis No.** :2023-AB952-029  
**Report No.** :2023-RA4791  
**Report Date** :May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
05:00-05:05	58.9	53.0	08:00-08:05	62.0	54.2	11:00-11:05	58.2	51.9	14:00-14:05	59.6	52.0
05:05-05:10	58.1	53.6	08:05-08:10	61.7	54.2	11:05-11:10	60.0	53.8	14:05-14:10	59.0	51.2
05:10-05:15	58.8	54.2	08:10-08:15	63.3	55.1	11:10-11:15	59.8	50.1	14:10-14:15	58.0	49.8
05:15-05:20	61.2	55.2	08:15-08:20	62.6	53.3	11:15-11:20	56.8	51.1	14:15-14:20	57.6	50.6
05:20-05:25	57.1	53.6	08:20-08:25	61.8	54.7	11:20-11:25	59.2	52.6	14:20-14:25	62.3	51.8
05:25-05:30	57.9	53.1	08:25-08:30	61.2	55.0	11:25-11:30	58.6	51.4	14:25-14:30	62.1	51.6
05:30-05:35	61.0	53.2	08:30-08:35	60.5	54.5	11:30-11:35	60.1	53.7	14:30-14:35	61.1	51.0
05:35-05:40	57.3	53.0	08:35-08:40	62.1	54.1	11:35-11:40	61.1	52.8	14:35-14:40	58.3	51.0
05:40-05:45	59.2	53.4	08:40-08:45	60.5	55.2	11:40-11:45	60.5	51.3	14:40-14:45	58.9	49.8
05:45-05:50	58.2	53.1	08:45-08:50	62.9	55.5	11:45-11:50	62.9	55.4	14:45-14:50	59.4	53.3
05:50-05:55	59.9	53.9	08:50-08:55	62.4	56.2	11:50-11:55	59.4	52.3	14:50-14:55	62.0	54.5
05:55-06:00	58.6	53.7	08:55-09:00	67.0	58.0	11:55-12:00	61.9	53.5	14:55-15:00	57.4	51.1
06:00-06:05	59.8	54.9	09:00-09:05	69.2	68.2	12:00-12:05	59.0	51.6	15:00-15:05	62.4	52.9
06:05-06:10	62.0	53.6	09:05-09:10	63.0	53.8	12:05-12:10	57.8	52.2	15:05-15:10	60.9	53.6
06:10-06:15	60.7	54.9	09:10-09:15	60.3	53.3	12:10-12:15	59.4	52.3	15:10-15:15	60.0	53.7
06:15-06:20	65.2	56.3	09:15-09:20	58.5	53.9	12:15-12:20	58.6	52.9	15:15-15:20	57.2	51.5
06:20-06:25	63.6	56.4	09:20-09:25	57.7	51.3	12:20-12:25	58.4	52.0	15:20-15:25	58.3	50.7
06:25-06:30	62.8	55.6	09:25-09:30	59.5	53.5	12:25-12:30	60.8	52.6	15:25-15:30	58.1	51.8
06:30-06:35	61.5	56.2	09:30-09:35	62.1	53.8	12:30-12:35	58.9	51.4	15:30-15:35	59.8	53.0
06:35-06:40	61.9	54.6	09:35-09:40	61.4	53.9	12:35-12:40	59.1	51.5	15:35-15:40	60.0	53.1
06:40-06:45	64.9	56.6	09:40-09:45	59.1	52.7	12:40-12:45	59.1	51.2	15:40-15:45	62.0	53.7
06:45-06:50	65.0	57.0	09:45-09:50	58.3	52.8	12:45-12:50	59.4	50.8	15:45-15:50	59.9	53.5
06:50-06:55	61.7	55.6	09:50-09:55	60.3	55.0	12:50-12:55	60.1	52.7	15:50-15:55	58.8	52.4
06:55-07:00	61.1	55.7	09:55-10:00	59.5	54.6	12:55-13:00	56.7	51.4	15:55-16:00	60.4	52.7
07:00-07:05	62.9	56.4	10:00-10:05	59.5	54.6	13:00-13:05	59.9	53.1	16:00-16:05	59.8	52.7
07:05-07:10	62.1	56.5	10:05-10:10	58.8	54.4	13:05-13:10	58.1	52.7	16:05-16:10	61.2	53.3
07:10-07:15	62.2	56.1	10:10-10:15	57.9	54.0	13:10-13:15	60.7	52.2	16:10-16:15	62.5	53.8
07:15-07:20	66.7	59.2	10:15-10:20	58.0	52.7	13:15-13:20	59.9	52.6	16:15-16:20	60.7	53.7
07:20-07:25	61.7	56.4	10:20-10:25	57.0	51.0	13:20-13:25	61.2	53.4	16:20-16:25	61.7	55.6
07:25-07:30	63.1	54.8	10:25-10:30	60.5	54.3	13:25-13:30	60.1	53.9	16:25-16:30	61.1	53.9
07:30-07:35	63.7	57.4	10:30-10:35	61.0	55.7	13:30-13:35	57.1	51.0	16:30-16:35	64.0	56.0
07:35-07:40	64.2	55.9	10:35-10:40	59.1	52.2	13:35-13:40	61.0	52.1	16:35-16:40	61.9	53.5
07:40-07:45	62.6	56.9	10:40-10:45	61.8	52.9	13:40-13:45	58.1	50.5	16:40-16:45	61.0	55.0
07:45-07:50	62.4	54.8	10:45-10:50	60.0	52.7	13:45-13:50	57.3	51.4	16:45-16:50	61.8	55.7
07:50-07:55	62.6	55.7	10:50-10:55	58.8	53.1	13:50-13:55	59.3	51.5	16:50-16:55	64.0	54.6
07:55-08:00	62.6	54.6	10:55-11:00	58.7	53.2	13:55-14:00	58.6	51.0	16:55-17:00	70.5	57.9

## ANALYSIS REPORT

**Customer Name** :Klong Luang Utilities Company Limited  
**Address** :222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** :Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** :1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** :Ambient Noise  
**Measured Point** :Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province  
**GPS. Coordinate** :UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** :May 22, 2023  
**Measured By** :Mr.Romsae Katch  
**Analyzed By** :Environment Research & Technology Co., Ltd.  
**Measured Instrument** :Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** :2023-00675  
**Analysis No.** :2023-AB952-029  
**Report No.** :2023-RA4791  
**Report Date** :May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
17:00-17:05	70.1	58.1	20:00-20:05	62.1	52.7	23:00-23:05	55.5	52.6	02:00-02:05	52.5	50.0
17:05-17:10	70.4	58.5	20:05-20:10	60.5	51.8	23:05-23:10	56.7	52.0	02:05-02:10	55.5	50.9
17:10-17:15	67.8	59.9	20:10-20:15	60.4	53.4	23:10-23:15	56.7	51.9	02:10-02:15	55.8	53.2
17:15-17:20	66.8	58.9	20:15-20:20	62.4	55.8	23:15-23:20	56.4	52.3	02:15-02:20	55.4	52.9
17:20-17:25	65.9	58.5	20:20-20:25	59.8	53.2	23:20-23:25	55.8	52.8	02:20-02:25	53.5	52.2
17:25-17:30	64.7	58.8	20:25-20:30	58.5	52.5	23:25-23:30	58.6	53.3	02:25-02:30	56.3	52.9
17:30-17:35	64.1	57.7	20:30-20:35	63.5	54.6	23:30-23:35	59.7	53.1	02:30-02:35	54.4	53.1
17:35-17:40	67.1	57.7	20:35-20:40	64.2	55.3	23:35-23:40	56.8	53.3	02:35-02:40	55.3	53.1
17:40-17:45	65.1	57.8	20:40-20:45	60.4	54.1	23:40-23:45	57.5	51.1	02:40-02:45	56.9	52.9
17:45-17:50	61.6	55.3	20:45-20:50	60.4	53.9	23:45-23:50	57.7	51.5	02:45-02:50	55.0	53.5
17:50-17:55	63.8	56.7	20:50-20:55	60.0	54.2	23:50-23:55	57.0	51.5	02:50-02:55	54.3	52.8
17:55-18:00	60.5	54.9	20:55-21:00	61.4	54.2	23:55-00:00	54.2	52.4	02:55-03:00	55.4	53.1
18:00-18:05	62.3	55.9	21:00-21:05	58.7	53.7	00:00-00:05	56.9	52.6	03:00-03:05	54.9	52.2
18:05-18:10	62.2	54.9	21:05-21:10	59.6	53.7	00:05-00:10	55.6	52.5	03:05-03:10	57.4	52.0
18:10-18:15	62.1	55.4	21:10-21:15	61.6	54.0	00:10-00:15	57.2	53.2	03:10-03:15	54.1	51.8
18:15-18:20	64.4	57.6	21:15-21:20	58.2	54.0	00:15-00:20	56.8	53.6	03:15-03:20	54.5	51.6
18:20-18:25	63.7	56.0	21:20-21:25	60.3	54.1	00:20-00:25	55.9	53.7	03:20-03:25	54.2	51.2
18:25-18:30	62.1	56.0	21:25-21:30	60.1	53.6	00:25-00:30	57.0	53.4	03:25-03:30	54.3	51.1
18:30-18:35	61.9	56.0	21:30-21:35	61.0	54.3	00:30-00:35	57.8	53.3	03:30-03:35	54.2	50.8
18:35-18:40	62.9	56.7	21:35-21:40	57.7	53.7	00:35-00:40	56.0	53.4	03:35-03:40	53.8	51.6
18:40-18:45	63.1	56.5	21:40-21:45	58.0	53.5	00:40-00:45	57.0	53.1	03:40-03:45	53.6	51.9
18:45-18:50	61.8	55.8	21:45-21:50	61.7	53.7	00:45-00:50	54.6	52.4	03:45-03:50	54.1	52.1
18:50-18:55	62.8	54.7	21:50-21:55	58.7	53.3	00:50-00:55	54.9	52.0	03:50-03:55	54.3	51.6
18:55-19:00	63.6	56.4	21:55-22:00	58.2	53.1	00:55-01:00	56.9	52.3	03:55-04:00	53.5	51.2
19:00-19:05	61.4	54.3	22:00-22:05	58.9	53.5	01:00-01:05	55.9	50.4	04:00-04:05	53.6	51.2
19:05-19:10	62.1	53.6	22:05-22:10	59.2	53.3	01:05-01:10	55.5	51.0	04:05-04:10	52.2	50.5
19:10-19:15	61.9	55.3	22:10-22:15	58.7	54.0	01:10-01:15	52.9	50.7	04:10-04:15	53.4	51.4
19:15-19:20	61.9	55.4	22:15-22:20	57.5	53.3	01:15-01:20	52.8	50.4	04:15-04:20	52.3	51.1
19:20-19:25	63.8	54.7	22:20-22:25	58.6	53.4	01:20-01:25	53.9	50.2	04:20-04:25	53.0	51.2
19:25-19:30	61.2	54.0	22:25-22:30	56.4	53.3	01:25-01:30	53.2	49.8	04:25-04:30	56.0	51.7
19:30-19:35	64.1	53.8	22:30-22:35	59.0	53.2	01:30-01:35	53.0	50.2	04:30-04:35	57.7	52.4
19:35-19:40	60.4	53.7	22:35-22:40	61.8	53.1	01:35-01:40	54.8	50.6	04:35-04:40	54.6	51.5
19:40-19:45	60.0	53.1	22:40-22:45	55.6	53.2	01:40-01:45	54.3	50.5	04:40-04:45	57.0	51.4
19:45-19:50	61.3	53.8	22:45-22:50	55.0	51.5	01:45-01:50	52.4	50.2	04:45-04:50	58.8	52.5
19:50-19:55	63.4	54.5	22:50-22:55	56.4	50.8	01:50-01:55	52.9	50.3	04:50-04:55	58.1	53.1
19:55-20:00	60.9	53.8	22:55-23:00	55.9	52.4	01:55-02:00	54.5	50.7	04:55-05:00	57.4	53.0



ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Klong Nueng, Klong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Point** : Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Klong Luang District, Pathum Thani Province  
**GPS. Coordinate** : UTM (WGS84) 47P 0673741 E, 1550453 N  
**Measured Date** : May 23, 2023  
**Measured By** : Mr. Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAAJ791  
**Report Date** : May 31, 2023

Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)		Interval Time	Noise Level For 5 minutes, dB(A)	
	Leq	L90		Leq	L90		Leq	L90		Leq	L90
05:00-05:05	56.6	52.5	08:00-08:05	60.8	55.1	11:00-11:05	56.7	50.8	14:00-14:05	59.3	51.3
05:05-05:10	56.5	52.6	08:05-08:10	60.8	53.4	11:05-11:10	58.7	51.5	14:05-14:10	59.6	54.8
05:10-05:15	56.4	52.1	08:10-08:15	61.0	54.0	11:10-11:15	59.0	51.9	14:10-14:15	58.4	54.5
05:15-05:20	57.4	53.4	08:15-08:20	61.3	53.9	11:15-11:20	58.8	52.2	14:15-14:20	59.6	52.1
05:20-05:25	59.0	53.8	08:20-08:25	58.8	53.1	11:20-11:25	58.9	51.1	14:20-14:25	60.3	52.7
05:25-05:30	58.4	54.4	08:25-08:30	59.6	53.5	11:25-11:30	61.0	54.2	14:25-14:30	57.9	52.6
05:30-05:35	57.7	53.4	08:30-08:35	62.1	53.3	11:30-11:35	59.8	53.7	14:30-14:35	60.8	52.4
05:35-05:40	58.1	52.7	08:35-08:40	61.6	53.0	11:35-11:40	56.7	53.3	14:35-14:40	60.2	51.6
05:40-05:45	58.5	53.8	08:40-08:45	61.2	55.0	11:40-11:45	57.4	53.1	14:40-14:45	61.5	52.5
05:45-05:50	60.3	54.7	08:45-08:50	59.0	52.9	11:45-11:50	58.8	53.5	14:45-14:50	58.0	51.2
05:50-05:55	59.5	53.9	08:50-08:55	58.9	53.4	11:50-11:55	57.6	51.4	14:50-14:55	61.1	52.6
05:55-06:00	60.6	54.7	08:55-09:00	60.7	53.3	11:55-12:00	60.1	53.3	14:55-15:00	59.0	53.3
06:00-06:05	60.4	54.6	09:00-09:05	58.7	53.5	12:00-12:05	57.3	49.5	15:00-15:05	61.9	53.2
06:05-06:10	58.7	53.8	09:05-09:10	62.4	53.9	12:05-12:10	56.7	50.5	15:05-15:10	61.3	54.5
06:10-06:15	62.2	55.2	09:10-09:15	58.8	52.7	12:10-12:15	56.6	50.9	15:10-15:15	58.2	52.2
06:15-06:20	62.2	57.1	09:15-09:20	57.3	52.4	12:15-12:20	57.5	50.8	15:15-15:20	60.0	53.2
06:20-06:25	63.7	56.9	09:20-09:25	58.5	51.3	12:20-12:25	60.0	50.9	15:20-15:25	58.4	52.5
06:25-06:30	60.8	54.9	09:25-09:30	56.7	51.4	12:25-12:30	59.1	50.5	15:25-15:30	58.8	51.5
06:30-06:35	62.0	54.4	09:30-09:35	58.1	52.1	12:30-12:35	60.6	52.1	15:30-15:35	58.4	51.0
06:35-06:40	62.2	56.7	09:35-09:40	59.1	52.8	12:35-12:40	59.6	51.1	15:35-15:40	62.7	53.6
06:40-06:45	61.7	56.8	09:40-09:45	58.8	52.8	12:40-12:45	58.7	52.0	15:40-15:45	59.7	51.7
06:45-06:50	62.3	54.6	09:45-09:50	59.4	54.0	12:45-12:50	58.6	51.7	15:45-15:50	64.9	51.8
06:50-06:55	61.7	55.5	09:50-09:55	58.3	52.7	12:50-12:55	60.6	51.8	15:50-15:55	64.1	52.8
06:55-07:00	61.3	55.1	09:55-10:00	60.1	53.8	12:55-13:00	58.4	50.9	15:55-16:00	65.0	53.3
07:00-07:05	62.1	56.6	10:00-10:05	58.2	52.9	13:00-13:05	58.1	50.5	16:00-16:05	61.4	54.1
07:05-07:10	63.5	57.6	10:05-10:10	59.9	54.1	13:05-13:10	58.1	50.4	16:05-16:10	60.2	52.6
07:10-07:15	61.8	57.0	10:10-10:15	58.3	53.1	13:10-13:15	58.7	51.7	16:10-16:15	59.6	52.4
07:15-07:20	63.3	56.9	10:15-10:20	59.4	53.4	13:15-13:20	59.0	51.8	16:15-16:20	61.5	53.5
07:20-07:25	65.7	57.6	10:20-10:25	58.1	52.0	13:20-13:25	61.6	51.8	16:20-16:25	60.4	53.5
07:25-07:30	63.0	57.0	10:25-10:30	58.9	53.0	13:25-13:30	59.5	52.5	16:25-16:30	61.8	56.0
07:30-07:35	64.4	57.5	10:30-10:35	58.2	53.3	13:30-13:35	58.1	52.6	16:30-16:35	64.6	59.8
07:35-07:40	62.7	57.3	10:35-10:40	58.9	50.9	13:35-13:40	56.9	50.6	16:35-16:40	61.9	57.0
07:40-07:45	62.2	56.4	10:40-10:45	59.6	50.7	13:40-13:45	56.7	50.9	16:40-16:45	62.4	55.4
07:45-07:50	63.7	56.3	10:45-10:50	58.9	50.7	13:45-13:50	59.1	52.6	16:45-16:50	63.3	57.7
07:50-07:55	61.0	55.2	10:50-10:55	57.5	52.3	13:50-13:55	57.3	51.8	16:50-16:55	63.4	55.8
07:55-08:00	61.2	54.5	10:55-11:00	59.3	53.3	13:55-14:00	57.7	51.8	16:55-17:00	60.8	55.4



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunnungreang)  
Laboratory Supervisor

ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Klong Nueng, Klong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 17, 2023  
**Measured By** : Mr. Romsea Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAAJ794  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level, dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Common Area of Pak Thang White House Community, Klong Nueng Sub-District, Pathum Thani Province	08:00-09:00	61.8	85.6
	09:00-10:00	61.1	81.1
	10:00-11:00	59.5	78.8
	11:00-12:00	60.5	79.5
	13:00-14:00	59.5	81.5
	14:00-15:00	59.5	80.2
8 Hours Measurement	15:00-16:00	59.4	79.8
	16:00-17:00	62.4	99.1



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

(Ms. Thanida Bunnungreang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 19, 2023  
**Measured By** : Mr.Romsaa Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA794  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Equivalent Level (Leq)	Noise Level: dB(A)
Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	61.9	Maximum Level (Lmax) 84.7
	09:00-10:00	60.9	82.8
	10:00-11:00	60.1	80.0
	11:00-12:00	60.5	81.3
	13:00-14:00	58.8	81.8
	14:00-15:00	60.5	84.9
	15:00-16:00	61.5	83.2
	16:00-17:00	61.4	85.9
8 Hours Measurement		60.8	85.9



(Ms.Supawan Suwannapa)  
Laboratory Reviewer

(Ms.Thanida Bunngrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 18, 2023  
**Measured By** : Mr.Romsaa Katch  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA794  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Equivalent Level (Leq)	Noise Level: dB(A)
Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	59.6	Maximum Level (Lmax) 80.7
	09:00-10:00	58.6	82.3
	10:00-11:00	58.0	79.8
	11:00-12:00	58.1	79.5
	13:00-14:00	59.6	78.1
	14:00-15:00	60.8	81.2
	15:00-16:00	60.4	76.9
	16:00-17:00	61.9	79.1
8 Hours Measurement		59.8	82.3



(Ms.Supawan Suwannapa)  
Laboratory Reviewer

(Ms.Thanida Bunngrueang)  
Laboratory Supervisor



## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 20, 2023  
**Measured By** : Mr.Romsea Kateh  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA794  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level: dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	59.9	78.6
	09:00-10:00	59.8	82.7
	10:00-11:00	58.2	80.4
	11:00-12:00	59.2	77.7
	13:00-14:00	60.1	85.3
	14:00-15:00	59.2	83.9
	15:00-16:00	60.5	81.0
	16:00-17:00	66.5	93.4
8 Hours Measurement		61.3	93.4



(Ms.Supawan Suwannapa)  
Laboratory Reviewer

(Ms.Thanida Bunngrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

**Customer Name** : Klong Luang Utilities Company Limited  
**Address** : 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210  
**Project Name** : Electricity and Steam Generating Cogeneration, Pathumthani Province Project  
**Project Location** : 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani  
**Measured Source** : Ambient Noise  
**Measured Date** : May 21, 2023  
**Measured By** : Mr.Romsea Kateh  
**Analyzed By** : Environment Research & Technology Co., Ltd.  
**Measured Instrument** : Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820463

**Quotation No.** : 2023-00675  
**Analysis No.** : 2023-AB952-029  
**Report No.** : 2023-RAA794  
**Report Date** : May 31, 2023

Measured Location	Interval Time	Noise Level: dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Common Area of Pak Thang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	61.6	82.3
	09:00-10:00	60.1	84.5
	10:00-11:00	60.0	75.3
	11:00-12:00	60.0	77.7
	13:00-14:00	59.1	85.0
	14:00-15:00	59.4	90.0
	15:00-16:00	64.9	92.0
	16:00-17:00	65.0	86.8
8 Hours Measurement		61.9	92.0



(Ms.Supawan Suwannapa)  
Laboratory Reviewer

(Ms.Thanida Bunngrueang)  
Laboratory Supervisor



## ANALYSIS REPORT

Customer Name	:Klong Luang Utilities Company Limited		
Address	: 222 EGCO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210		
Project Name	: Electricity and Steam Generating Cogeneration, Pathumthani Province Project		
Project Location	:1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani		
Measured Source	: Ambient Noise		
Measured Date	: May 23, 2023		
Measured By	: Mr. Romssea Katch		
Analyzed By	: Environment Research & Technology Co., Ltd.		
Measured Instrument	: Integrating Sound Level Meter Scarlett Tech Model ST-21D Serial Number 820463		
	Quotation No.	: 2023-00675	
	Analysis No.	: 2023-AB952-029	
	Report No.	: 2023-RAAJ794	
	Report Date	: May 31, 2023	

Measured Location	Interval Time	Noise Level; dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Common Area of Pak Thiang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	60.6	80.2
	09:00-10:00	59.1	86.4
	10:00-11:00	58.8	79.7
	11:00-12:00	58.8	78.9
	13:00-14:00	58.6	79.3
	14:00-15:00	59.8	83.8
	15:00-16:00	61.8	82.7
	16:00-17:00	62.0	79.6
	8 Hours Measurement	60.1	86.4



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

1123

(Ms.Thanida Bunrungrueang)  
Laboratory Supervisor

## ANALYSIS REPORT

Customer Name	:Klong Luang Utilities Company Limited		
Address	: 222 EGO Tower, Vibhavadi Rangsit Road, Thung Song Hong, Lak Si, Bangkok 10210		
Project Name	: Electricity and Steam Generating Cogeneration, Pathumthani Province Project		
Project Location	: 1/9 Moo 3, Khlong Nueng, Khlong Luang, Pathum Thani		
Measured Source	: Ambient Noise		
Measured Date	: May 22, 2023		
Measured By	: Mr. Ronseae Katch		
Analyzed By	: Environment Research & Technology Co., Ltd.		
Measured Instrument	: Integrating Sound Level Meter Scarlet Tech Model ST-21D Serial Number 820463		
	Quotation No.	: 2023-00675	
	Analysis No.	: 2023-AB952-029	
	Report No.	: 2023-RAA3794	
	Report Date	: May 31, 2023	

Measured Location	Interval Time	Noise Level; dB(A)	
		Equivalent Level (Leq)	Maximum Level (Lmax)
Common Area of Pak Thiang White House Community, Khlong Nueng Sub-District, Khlong Luang District, Pathum Thani Province	08:00-09:00	62.7	82.6
	09:00-10:00	62.2	79.5
	10:00-11:00	59.5	79.5
	11:00-12:00	60.2	84.1
	13:00-14:00	59.5	84.7
	14:00-15:00	60.0	79.9
	15:00-16:00	60.1	80.3
	16:00-17:00	63.8	101.1
<b>8 Hours Measurement</b>		<b>61.3</b>	<b>101.1</b>



(Ms. Supawan Suwannapa)  
Laboratory Reviewer

Yes

(Ms.Thanida Bunrungrueang)  
Laboratory Supervisor

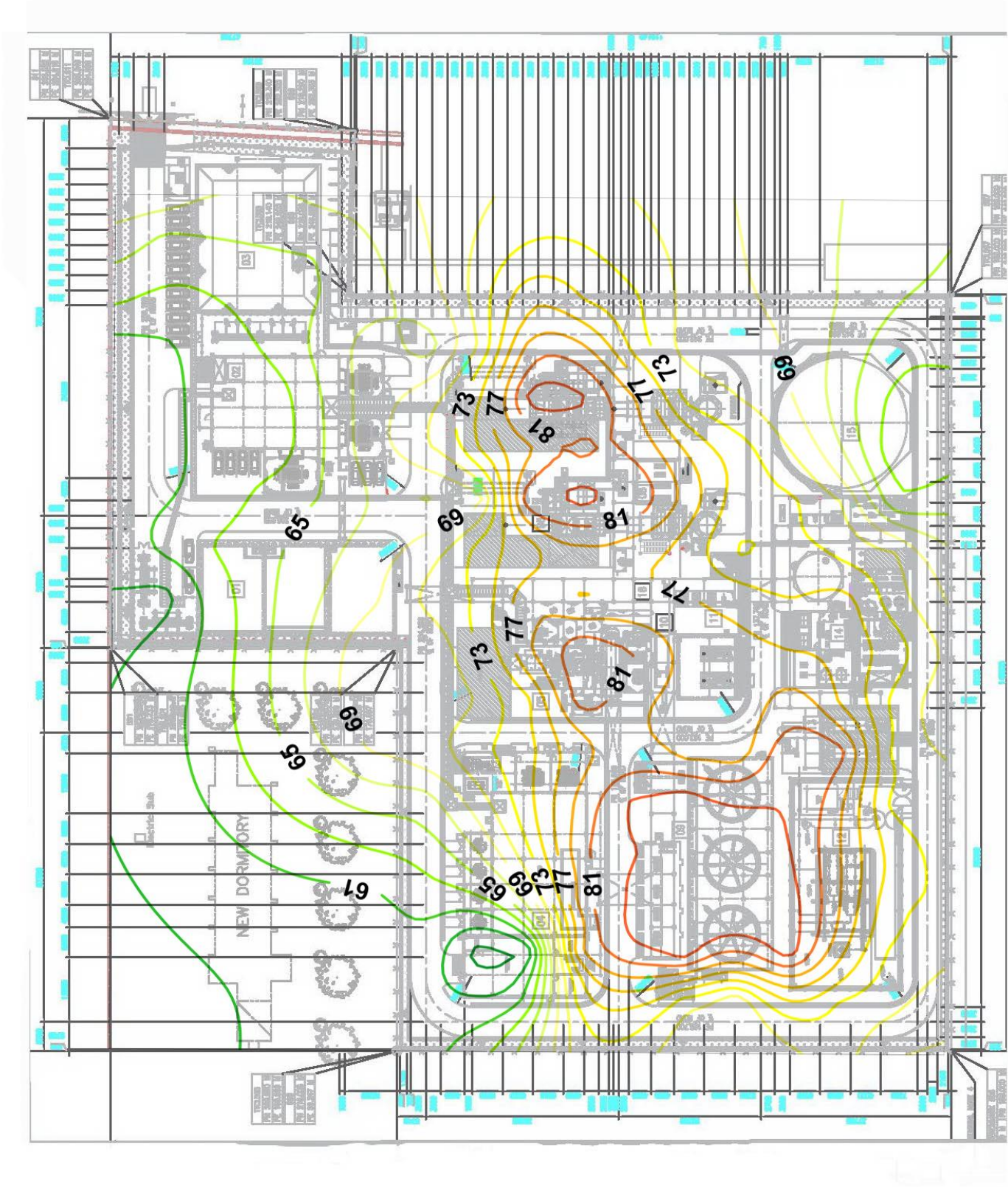


## ภาคผนวก 71

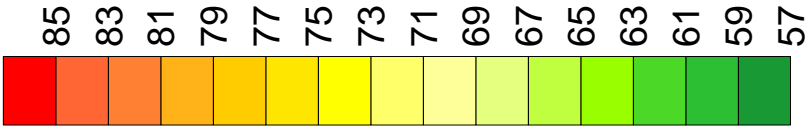
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ผังแสดงเส้นระดับเสียง (Noise Contour Map)



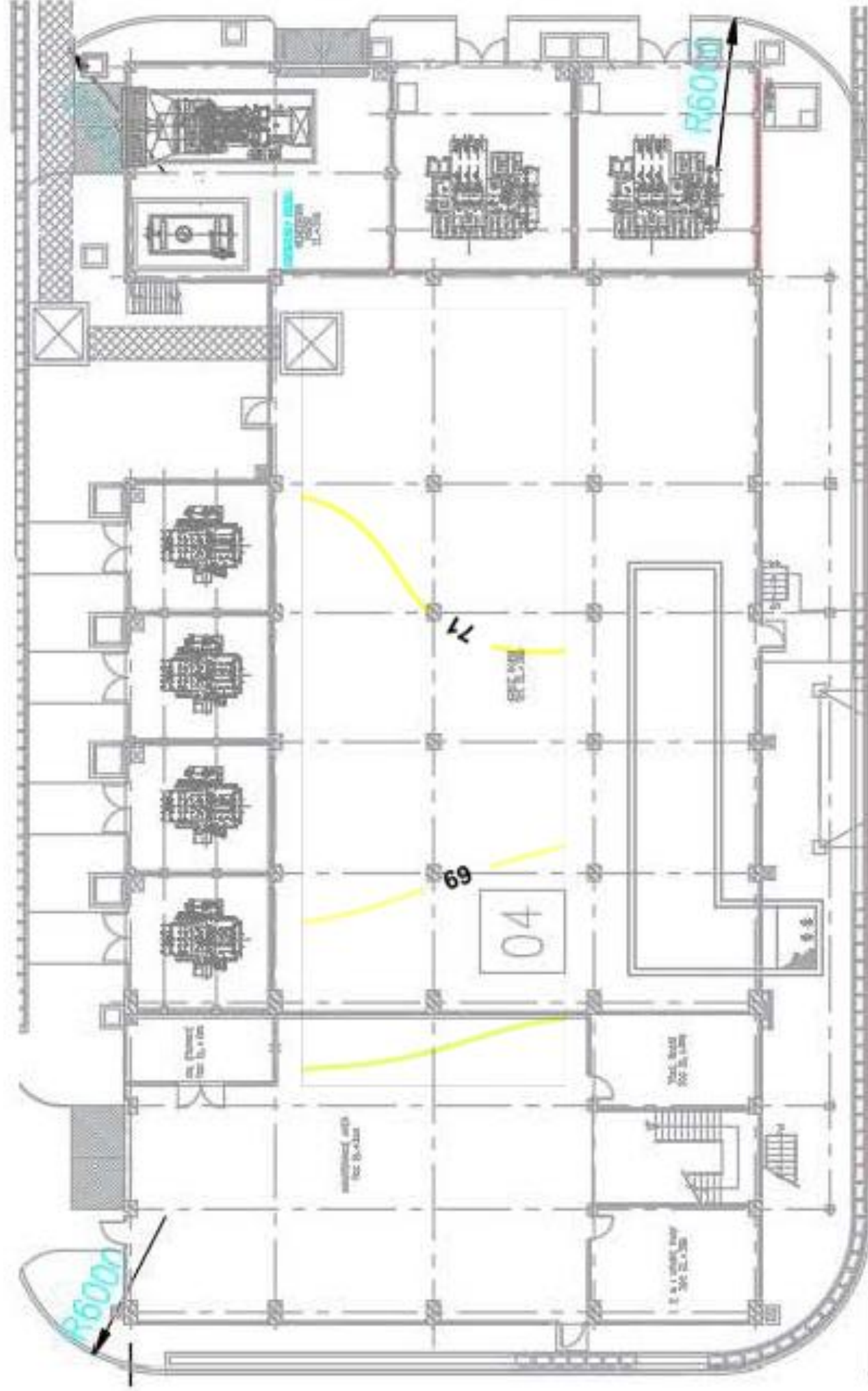


Noise Level dB(A)

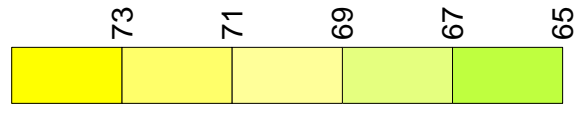


Title	: Noise Contour (Line)
Area	: Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area	: Ground Floor
Owner	: Klong Luang Utilities Company Limited
Date	: May 24, 2021



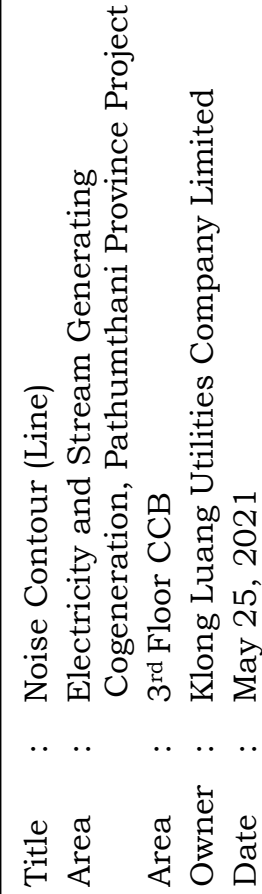


Noise Level dB(A)

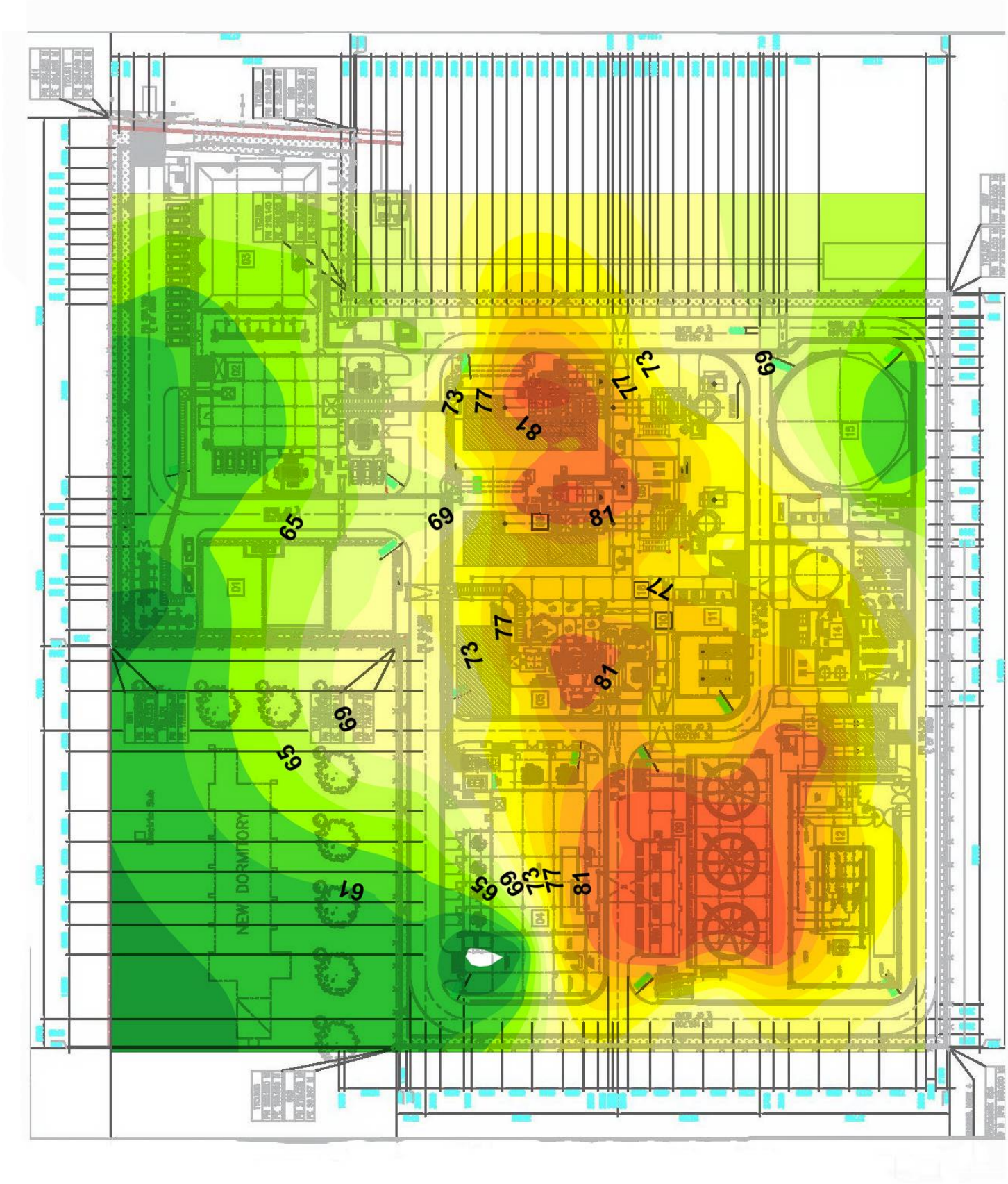


Title	: Noise Contour (Line)
Area	: Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area	: 2nd Floor CCB
Owner	: Klong Luang Utilities Company Limited
Date	: May 25, 2021

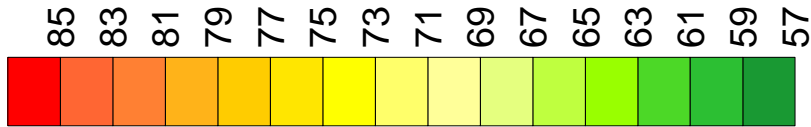








Noise Level dB(A)

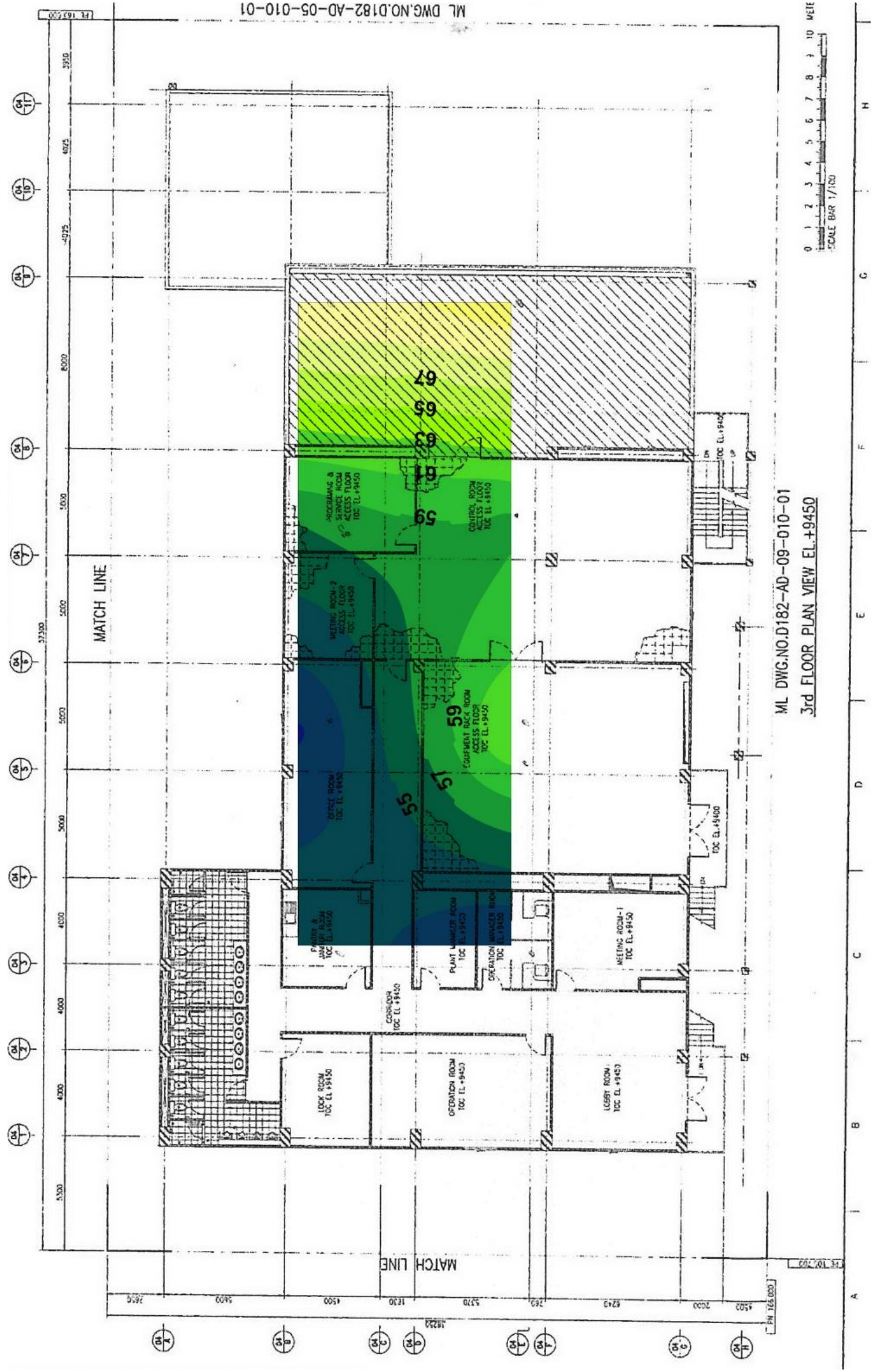


Title	: Noise Contour (Fill)
Area	: Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area	: Ground Floor
Owner	: Klong Luang Utilities Company Limited
Date	: May 24, 2021

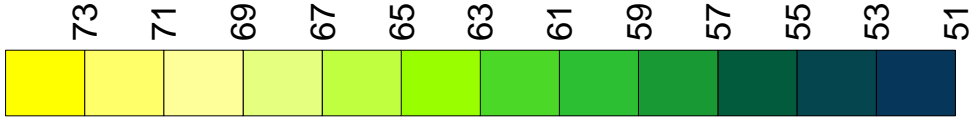








Noise Level dB(A)



Title	: Noise Contour (Fill)
Area	: Electricity and Stream Generating Cogeneration, Pathumthani Province Project
Area	: 3rd Floor CCB
Owner	: Klong Luang Utilities Company Limited
Date	: May 25, 2021



## ภาคผนวก 72

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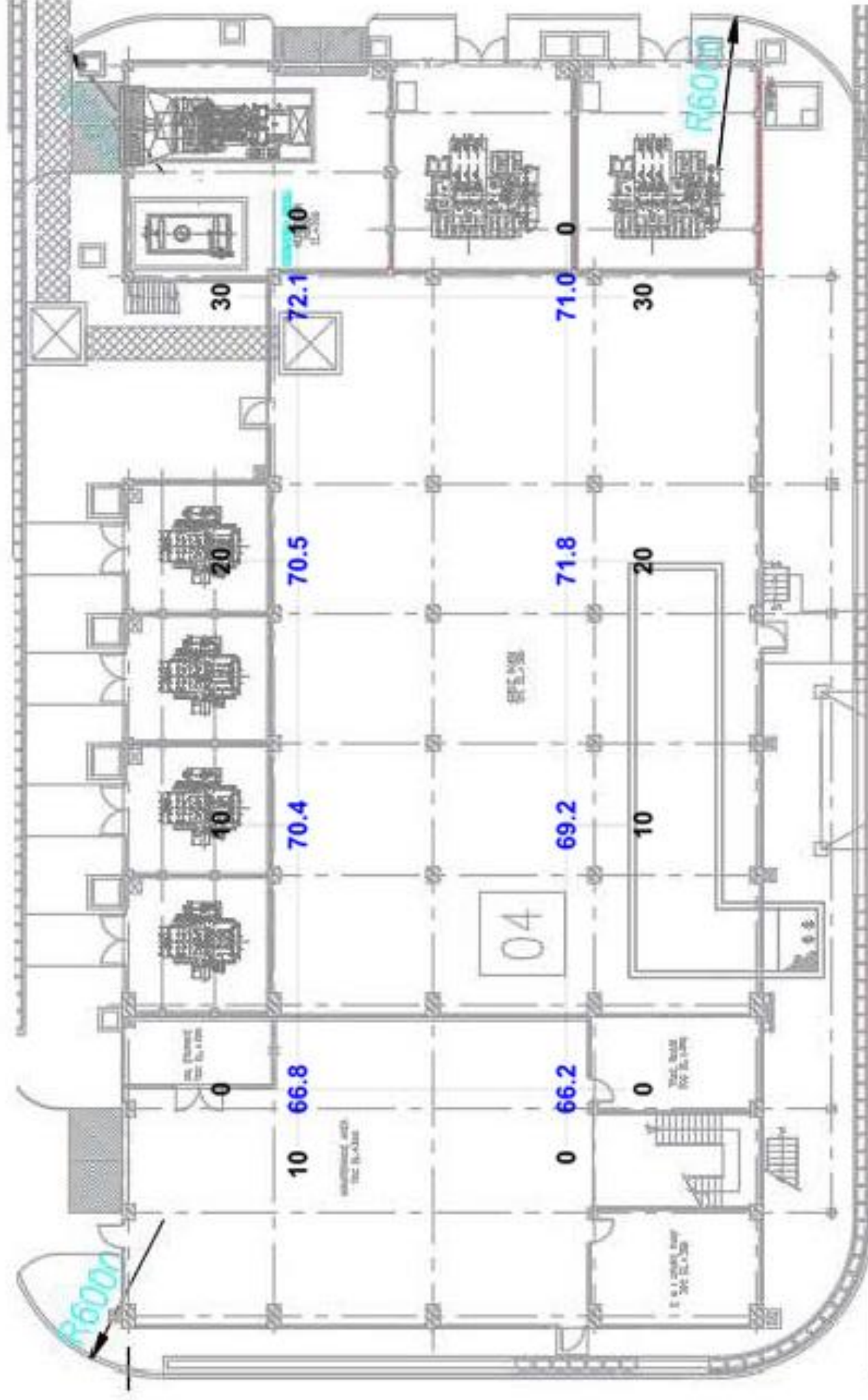
แสดงผลซ้อนทับกับแผนผังภายในพื้นที่โครงการ





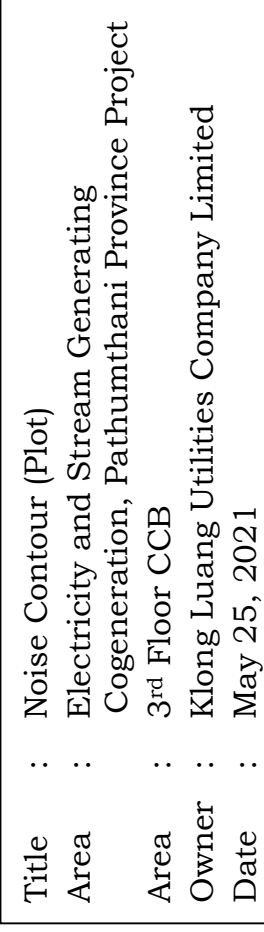
Title : Noise Contour (Plot)  
Area : Electricity and Stream Generating  
Cogeneration, Pathumthani Province Project  
Area : Ground Floor  
Owner : Klong Luang Utilities Company Limited  
Date : May 24, 2021





Title : Noise Contour (Plot)  
 Area : Electricity and Stream Generating  
 Cogeneration, Pathumthani Province Project  
 Area : 2<sup>nd</sup> Floor CCB  
 Owner : Klong Luang Utilities Company Limited  
 Date : May 25, 2021





## ภาคผนวก 73

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ผลการวิเคราะห์คุณภาพน้ำหล่อเย็น  
โดยระบบติดตามตรวจสอบคุณภาพน้ำแบบต่อเนื่อง





บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นของชลประทาน(คลองหนึ่ง)

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (m <sup>3</sup> )	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 uS/cm	ความเป็นกรดด่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1	1967.90	7.90	25.46	453.00	-
2	1968.90	8.05	25.40	455.20	-
3	1912.00	7.93	25.20	452.70	-
4	1899.00	7.84	24.67	456.70	-
5	1916.00	7.77	24.93	451.20	-
6	1865.60	8.11	25.25	452.00	-
7	1858.23	8.14	25.32	455.30	-
8	1798.51	8.22	24.67	452.10	-
9	1714.00	8.21	24.49	455.30	-
10	1724.00	8.27	25.20	451.20	-
11	1733.00	8.30	25.95	452.20	-
12	1740.00	8.30	26.26	458.50	-
13	1771.90	8.27	26.97	451.80	-
14	1766.70	8.25	27.40	455.20	-
15	1756.60	8.27	27.59	456.40	-
16	1738.60	8.15	26.71	452.90	-
17	1708.35	8.15	26.59	452.40	-
18	1733.23	8.21	27.00	453.70	-
19	1734.61	8.27	26.12	455.00	-
20	1707.86	8.25	25.59	451.90	-
21	1730.30	8.25	25.24	456.90	-
22	1744.30	8.15	25.19	453.50	-
23	1779.50	8.10	25.02	453.20	-
24	1796.78	8.15	24.96	457.30	-
25	1815.72	8.22	25.07	455.90	-
26	1807.37	8.13	24.61	452.60	-
27	1851.41	8.06	24.71	453.70	-
28	1902.40	8.05	24.27	452.00	-
29	1888.08	8.05	23.43	456.70	-
30	1870.29	8.15	22.57	456.60	-
31	1833.31	8.20	22.66	453.70	-
รวม				14,076.80	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m <sup>3</sup>				ave max	
				454.09 458.50	

ตรวจสอบโดย :

(ผู้จัดการส่วนเดินเครื่อง)

FM-OP-002 / Rev.00



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นของชลประทาน(คลองหนึ่ง)

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (m <sup>3</sup> )	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 uS/cm	ความเป็นกรดด่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1	1820.00	8.16	23.59	420.00	-
2	1829.00	8.10	24.34	443.00	-
3	1776.00	7.90	25.36	446.00	-
4	1760.00	7.96	26.41	441.00	-
5	1727.69	8.07	27.09	420.00	-
6	1702.69	7.97	28.50	444.30	-
7	1712.36	8.08	28.10	441.00	-
8	1723.69	7.98	28.30	443.00	-
9	1648.23	7.90	28.10	432.70	-
10	1697.25	7.95	28.54	443.00	-
11	1765.30	7.96	28.30	427.00	-
12	1721.78	7.94	28.49	423.00	-
13	1676.24	7.91	28.46	410.00	-
14	1717.80	7.84	28.57	449.00	-
15	1720.36	8.21	28.01	436.00	-
16	1656.57	8.30	28.80	423.00	-
17	1682.36	7.68	27.10	450.00	-
18	1687.20	7.76	26.87	390.00	-
19	1691.00	7.71	26.77	363.00	-
20	1706.00	7.75	26.85	427.90	-
21	1727.00	7.73	26.61	425.00	-
22	1725.00	7.72	26.71	435.00	-
23	1722.00	7.73	27.71	418.70	-
24	1742.30	7.70	27.06	340.00	-
25	1732.00	7.83	26.81	435.00	-
26	1720.11	8.13	26.05	438.10	-
27	1727.36	7.90	26.60	423.00	-
28	1730.00	7.13	25.86	423.20	-
รวม				11,910.90	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m <sup>3</sup>				ave max	
				425.39 450.00	

ตรวจสอบโดย

FM-OP-002 / Rev.00



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเป็นลงคลองชลประทาน(คลองหนึ่ง)

ประจำเดือน : March-2023

วันที่	คุณภาพน้ำหล่อเป็น			ปริมาณรวม (m <sup>3</sup> )	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 uS/cm	ความเป็นกรดด่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg. C		
1	1755.58	8.06	26.52	456.00	—
2	1748.81	8.07	26.26	450.00	—
3	1773.40	8.03	27.17	457.00	—
4	1762.90	8.02	26.61	451.00	—
5	1760.50	8.09	26.65	454.00	—
6	1765.70	8.05	26.65	449.00	—
7	1757.79	8.01	26.67	452.00	—
8	1749.51	8.03	27.33	456.00	—
9	1748.80	8.02	28.08	454.00	—
10	1773.87	8.07	28.07	452.00	—
11	1774.41	7.90	28.77	454.00	—
12	1761.16	7.89	28.88	455.00	—
13	1751.14	7.76	28.88	451.00	—
14	1752.15	7.82	28.88	453.00	—
15	1746.33	7.87	28.25	435.00	—
16	1737.74	7.92	28.63	430.00	—
17	1728.32	7.91	28.81	428.00	—
18	1727.91	7.87	28.98	432.00	—
19	1722.32	7.86	28.91	429.00	—
20	1728.99	7.88	28.95	415.00	—
21	1715.19	7.82	29.13	421.00	—
22	1709.43	7.90	29.31	412.00	—
23	1708.76	7.94	29.50	419.00	—
24	1705.19	7.98	30.49	424.00	—
25	1698.26	8.01	30.94	408.00	—
26	1696.34	7.79	30.24	398.00	—
27	1691.15	7.77	30.11	395.00	—
28	1698.50	7.67	29.91	391.00	—
29	1699.87	7.78	30.62	393.00	—
30	1706.45	7.75	29.99	401.00	—
31	1710.87	7.71	29.92	408.00	—
รวม				13,383.00	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m <sup>3</sup>				ave max	431.71 457.00

ตรวจสอบโดย

FM-OP-002 / Rev.00



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเป็นลงคลองชลประทาน(คลองหนึ่ง)

ประจำเดือน : April-2023

วันที่	ค่าความนำไฟฟ้า <2000 uS/cm	คุณภาพน้ำหล่อเป็น		ปริมาณรวม (m <sup>3</sup> )	หมายเหตุ
		ความเป็นกรดด่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg. C		
1	1720.00	7.96	30.45	445.00	—
2	1820.00	7.76	29.90	449.00	—
3	1828.00	7.75	31.50	448.00	—
4	1178.00	7.83	31.30	449.00	—
5	1754.00	7.66	30.06	445.90	—
6	1735.00	7.63	29.76	448.40	—
7	1807.00	7.60	29.67	449.00	—
8	1693.00	7.72	29.97	447.70	—
9	1702.00	8.03	29.94	446.50	—
10	1773.87	8.07	29.35	446.90	—
11	1648.00	8.25	29.90	445.80	—
12	1680.00	8.30	30.12	447.00	—
13	1697.00	8.22	31.34	445.70	—
14	1681.00	8.27	31.84	446.90	—
15	1696.00	8.01	30.70	447.50	—
16	1698.00	7.79	30.20	447.30	—
17	1728.32	7.91	30.30	446.50	—
18	1722.00	7.84	30.70	446.70	—
19	1724.00	7.68	31.39	448.30	—
20	1725.00	7.64	30.52	449.10	—
21	1722.00	7.62	30.22	447.80	—
22	1115.00	7.64	30.23	448.70	—
23	1705.00	7.70	30.39	435.20	—
24	1705.19	7.80	30.42	435.90	—
25	1678.00	7.52	30.25	434.80	—
26	1684.00	7.72	30.24	435.10	—
27	1695.00	7.88	30.25	424.00	—
28	1688.00	7.81	29.69	433.00	—
29	1701.00	7.87	30.30	409.90	—
30	1706.45	7.82	30.28	433.90	—
รวม				13,284.50	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m <sup>3</sup>				ave max	442.82 449.10

ตรวจสอบโดย

FM-OP-002 / Rev.00





บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นลงคลองชลประทาน(คลองหนึ่ง)

ประจำเดือน : May-2023

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (m <sup>3</sup> )	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 uS/cm	ความเป็นกรด-ด่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1	1704.11	7.73	29.38	426.00	—
2	1725.01	7.71	30.18	430.00	—
3	1724.02	7.67	30.17	427.00	—
4	1718.00	7.71	30.12	421.00	—
5	1724.15	7.71	30.14	424.00	—
6	1737.32	7.60	30.17	430.00	—
7	1741.25	7.58	30.24	428.16	—
8	1749.51	7.55	30.43	436.00	—
9	1731.60	7.89	31.38	434.00	—
10	1688.04	7.13	30.23	432.00	—
11	1685.76	7.08	30.17	436.18	—
12	1669.10	6.69	29.97	435.00	—
13	1614.61	7.27	30.40	431.00	—
14	1635.31	7.24	31.82	433.00	—
15	1627.45	7.42	30.91	435.00	—
16	1612.90	8.08	29.96	430.00	—
17	1662.50	8.01	30.25	428.00	—
18	1669.12	8.12	30.31	425.36	—
19	1674.14	8.10	30.13	429.00	—
20	1701.14	8.13	30.06	415.00	—
21	1711.59	8.08	29.86	421.00	—
22	1701.05	8.10	29.94	412.00	—
23	1714.04	8.12	29.88	419.00	—
24	1725.69	8.14	31.13	424.00	—
25	1714.85	8.09	31.45	408.00	—
26	1717.74	8.10	31.01	402.00	—
27	1693.36	8.12	31.68	395.00	—
28	1675.52	8.16	30.18	400.35	—
29	1619.23	8.14	29.90	393.00	—
30	1600.26	8.10	29.80	401.00	—
31	1612.58	8.09	30.12	420.31	—
รวม				13,081.36	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m <sup>3</sup>				ave	421.98
				max	436.18

ตรวจสอบโดย

FM-OP-002 / Rev.00



บริษัท คลองหลวง ยูทิลิตี้ จำกัด

ตารางสรุปปริมาณการปล่อยน้ำหล่อเย็นลงคลองชลประทาน(คลองหนึ่ง)

ประจำเดือน : June-2023

วันที่	คุณภาพน้ำหล่อเย็น			ปริมาณรวม (m <sup>3</sup> )	หมายเหตุ
	ค่าความนำไฟฟ้า <2000 uS/cm	ความเป็นกรด-ด่าง(pH) 6.5-8.5	อุณหภูมิ <40 Deg.C		
1					ไม่มีการเดินเครื่อง
2					ไม่มีการเดินเครื่อง
3					ไม่มีการเดินเครื่อง
4					ไม่มีการเดินเครื่อง
5					ไม่มีการเดินเครื่อง
6	1725.61	8.29	30.54	405.32	—
7	1732.61	8.32	30.69	402.36	—
8	1752.14	8.29	30.58	411.26	—
9	1763.28	8.30	30.60	408.35	—
10	1771.00	8.20	30.28	409.35	—
11	1802.00	8.20	30.40	407.25	—
12	1729.00	8.30	30.12	411.25	—
13	1782.00	8.40	30.28	407.35	—
14	1803.00	8.20	30.56	409.26	—
15	1817.47	8.14	30.38	398.57	—
16	1827.67	8.20	31.32	407.56	—
17	1795.71	8.09	31.31	400.12	—
18	1770.75	8.31	30.98	415.36	—
19	1733.00	8.15	30.99	409.62	—
20	1741.00	8.04	31.22	411.35	—
21	1740.30	7.98	31.44	409.35	—
22	1745.60	8.05	31.43	408.15	—
23	1747.30	8.16	34.41	411.35	—
24	1764.40	8.25	34.27	401.25	—
25	1789.60	8.21	31.29	408.69	—
26	1768.49	8.34	30.96	409.36	—
27	1772.89	8.27	30.62	407.23	—
28	1789.32	8.12	30.71	413.25	—
29	1782.16	8.24	30.25	399.64	—
30	1798.62	8.29	32.58	405.62	—
รวม				10,188.22	
หมายเหตุ : ปริมาณการปล่อยน้ำทิ้ง < 460 m <sup>3</sup>				ave	407.53
				max	415.36

ตรวจสอบโดย

FM-OP-002 / Rev.00

## ภาคผนวก 74

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ผลการวิเคราะห์คุณภาพน้ำหล่อเย็น จากบ่อกักน้ำหล่อเย็น

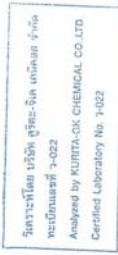


Customer Name : Klongluang Utilities Company Limited	 <b>KURITA-GK CHEMICAL CO., LTD.</b> 460 Moo 17 Bangphli Industrial Estate Bangsaohong, Bangsaohong district, Samutprakarn 10570 Tel. (66)2-31 52300 Fax. (66)2-315-2301-2
Attention : 	
Project : 	

# WASTE WATER ANALYSIS REPORT

[illegible]

**Remark:** Refer Parameter of Holding Pond1 sampling must be compared with the EIA regulation but the cooling water of this area is discharged into Klong1 that is irrigation canal. Thus, this sampling must compare with the irrigation standard  
: and frequency 1 time/month.



*Report results refer to submitted sample*

*Manager:*

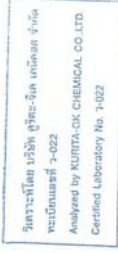
*Sale representa*

Customer Name : Klongluang Utilities Company Limited	 <b>KURITA-GK CHEMICAL CO., LTD.</b> 460 Moo 17 Bangphi Industrial Estate Bangsaenghong, Bangsaenghong district, Samutprakarn 10570 Tel. (66)2-315-2300 Fax. (66)2-315-2301-2
Attention : <span style="background-color: black; color: black;">XXXXXXXXXX</span>	
Project :	

# WASTE WATER ANALYSIS REPORT

[illegible]

**Remark:** Refer Parameter of Holding Pond; sampling must be compared with the EIA regulation but the cooling water of this area is discharged into Klong1 that is irrigation canal. Thus, this sampling must compare with the irrigation standard : and frequency 1 time/month.



*Report results refer to submitted sample(s) only*

*Manager:*

*Sale representative:*

Customer Name : Klongluang Utilities Company Limited  
 Attention: XXXXXXXXXX  
 Project :

# WASTE WATER ANALYSIS REPORT

[illegible]


Report results refer to submitted sample(s) only

*Manager:*

*Sale representative:*

*Sale representative:*

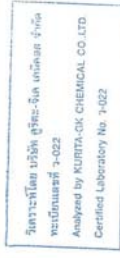


Customer Name : Klongluang Utilities Company Limited Attention: K. Tawatchai Project :	KURITA-GK CHEMICAL CO., LTD. 460 Moo 17 Bangphli Industrial Estate Bangsaohong, Bangsaohong district, Samunprakam 10570 Tel. (66)2-315-2300 Fax. (66)2-315-2301-2	 Kurita
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# WASTE WATER ANALYSIS REPORT

[illegible]

**Remark :** Refer Parameter of Holding Pond1 sampling must be compared with the EIA regulation but the cooling water of this area is discharged into Klong1 that is irrigation canal. Thus, this sampling must compare with the irrigation standard : and frequency 1 time/month.



*Report results refer to submitted sample(s) only*

Sale representative: Pattana Ratdatsapinyatorn



Customer Name : Klongluang Utilities Company Limited  
Attention: K. Tawatthai  
Project :  
KURITA-GK CHEMICAL CO., LTD.  
460 Moo 17 Bangphli Industrial Estate  
Bangsaohong, Bangsaohong district, Samutprakarn 10570  
Tel. (66)2-315-2300 Fax. (66)2-315-2301-2

# WASTE WATER ANALYSIS REPORT

[illegible]

**Remark :** Refer Parameter of Holding Pond1 sampling must be compared with the EIA regulation but the cooling water of this area is discharged into Klong1 that is irrigation canal. Thus, this sampling must compare with the irrigation standard ; and frequency 1 time/month.



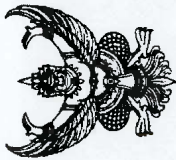
*Sale representative:*

## ภาคผนวก 75

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เอกสารขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน  
ที่ได้รับการขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม  
ของบริษัท คูริตะ-จีเค เคมีคอล จำกัด





ที่ อก ๐๓๑๐(๑)/ ๔๕๙ ๘

## ๒ ๒ กุมภาพันธ์ ๒๕๖๖

เรื่อง ต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

เรียน กรรมการผู้จัดการ บริษัท คูริตะ-จีเค เคมีคอล จำกัด

อ้างถึง คำขอขึ้นทะเบียน/ต่ออายุ/เปลี่ยนแปลงเอกสาร และชนิดสารเคมีของห้องปฏิบัติการวิเคราะห์เอกชน

ลงวันที่ ๘ ธันวาคม ๒๕๖๕

สิ่งที่ส่งมาด้วย เอกสารแบบท้ายหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน

บริษัท คูริตะ-จีเค เคมีคอล จำกัด จำนวน ๒ แผ่น

ตามหนังสือที่อ้างถึง บริษัท คูริตะ-จีเค เคมีคอล จำกัด ขอต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน เลขทะเบียน ๖-๐๒๒ สลนที่ ๔๖๐ หมู่ที่ ๑๙ นิคมอุตสาหกรรมบางพลี ตำบลบางเสาธง อำเภอบางเสาธง จังหวัดสมุทรปราการ ตอกรมโรงงานอุตสาหกรรม นั้น

กรมโรงงานอุตสาหกรรมพิจารณาแล้ว ให้บริษัท คูริตะ-จีเค เคมีคอล จำกัด ต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน โดยมีองค์ประกอบดังนี้

ก. ผู้ควบคุมดูแลห้องปฏิบัติการวิเคราะห์

นางรุ่งรัชณี ส่งศรี ทะเบียนเลขที่ ๖-๐๒๒-๐-๐๐๐๑

ข. เจ้าหน้าที่ประจำห้องปฏิบัติการวิเคราะห์

๑) นางสาวอรศรี ศรีตัมภา ทะเบียนเลขที่ ๖-๐๒๒-๖-๐๐๐๑

๒) นางสาววนิดา เมืองทอง ทะเบียนเลขที่ ๖-๐๒๒-๖-๐๐๐๒

ค. ขอขยายสารเคมีที่ได้รับขึ้นทะเบียนให้วิเคราะห์ในน้ำเสีย ตามสิ่งที่ส่งมาด้วย

หนังสือฉบับนี้จะหมดอายุในวันที่ ๘ กุมภาพันธ์ ๒๕๖๙ หากประสงค์จะต่ออายุหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน ให้ยื่นคำต่ออายุพร้อมเอกสารประกอบการต่ออายุกรมโรงงานอุตสาหกรรม ภายใน ๓๐ วัน ก่อนวันสิ้นสุดอายุของหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน ทั้งนี้ สามารถยื่นคำขอผ่านระบบอิเล็กทรอนิกส์ได้ทั้งนี้เว็บไซต์กรมโรงงานอุตสาหกรรม ตาม QR code ท้ายหนังสือฉบับนี้

จึงเรียนมาเพื่อทราบ

ขอแสดงความนับถือ



(นางริกาญจน์ ฉัตรสกุลวิไล)

นักวิทยาศาสตร์ชำนาญการพิเศษ รักษาการแทน

ผู้อำนวยการกองวิจัยและพัฒนาพิษเชิงงานพิษวิทยา สำนักพิษวิทยา กรมโรงงานอุตสาหกรรม

ปฏิบัติราชการแทนอธิบดีกรมโรงงานอุตสาหกรรม

โทร. ๐ ๒๕๓๐ ๖๓๑๒ ต่อ ๒๑๐๓-๕

โทรสาร ๐ ๒๕๓๐ ๖๓๑๒ ต่อ ๒๑๙๙

ไปรษณีย์อิเล็กทรอนิกส์ saraban@diw.mail.go.th



“อุตสาหกรรมก้าวไกล ประเทศไทยก้าวหน้า ร่วมกันพัฒนา อุตสาหกรรมสีเขียว”

เอกสารแนบท้ายหนังสือรับขึ้นทะเบียนห้องปฏิบัติการวิเคราะห์เอกชน  
บริษัท คูริตะ-จีเค เคมีคอล จำกัด เลขทะเบียน ๖-๐๒๒  
ที่ อก ๐๓๑๐(๑)/ ๔๕๙ ๘ ลงวันที่ ๒ กุมภาพันธ์ ๒๕๖๖

ขอขยายสารเคมีที่ได้รับขึ้นทะเบียนจากกรมโรงงานอุตสาหกรรม จำนวน ๒๗ รายการ

น้ำเสีย จำนวน ๒๗ รายการ

ลำดับที่	สารเคมี	วิธีวิเคราะห์
1	Arsenic	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>
2	Barium	1) Digestion, Direct Nitrous Oxide-Acetylene Flame Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>
3	Biochemical Oxygen Demand	5-Day BOD Test, Membrane Electrode Method <sup>[2]</sup>
4	Cadmium	1) Digestion, Direct Air-Acetylene Flame Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>
5	Chemical Oxygen Demand	Closed Reflux, Colorimetric Method <sup>[2]</sup>
6	Chromium	1) Digestion, Direct Air-Acetylene Flame Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>
7	Color	ADMI Weighted-Ordinate Spectrophotometric Method <sup>[2]</sup>
8	Copper	1) Digestion, Direct Air-Acetylene Flame Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>
9	Cyanide	Distillation, Colorimetric Method <sup>[2]</sup>
10	Formaldehyde	Distillation, Colorimetric Method <sup>[1]</sup>
11	Free Chlorine	Iodometric Method <sup>[2]</sup>
12	Hexavalent Chromium	Colorimetric Method <sup>[2]</sup>
13	Lead	1) Digestion, Direct Air-Acetylene Flame Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>

ลำดับที่	สารเคมี	วิธีวิเคราะห์
14	Manganese	1) Digestion, Direct Air-Acetylene Flame Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>
15	Mercury	Digestion, Cold-Vapor Atomic Absorption Spectrometric Method <sup>[2]</sup>
16	Nickel	1) Digestion, Direct Air-Acetylene Flame Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>
17	Oil & Grease	Soxhlet Extraction Method <sup>[2]</sup>
18	pH	Electrometric Method <sup>[2]</sup>
19	Phenols	Distillation, Chloroform Extraction Method <sup>[2]</sup>
20	Selenium	1) Digestion, Hydride Generation/Atomic Absorption Spectrometric Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>
21	Sulfide	Iodometric Method <sup>[2]</sup>
22	Temperature	Laboratory and Field Methods <sup>[2]</sup>
23	Total Dissolved Solids	Dried at 180 °C <sup>[2]</sup>
24	Total Kjeldahl Nitrogen	Macro-Kjeldahl Method <sup>[2]</sup>
25	Total Suspended Solids	Dried at 103-105 °C <sup>[2]</sup>
26	Trivalent Chromium	1) Digestion, Direct Air-Acetylene Flame Method; Colorimetric Method; Calculation <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method; Colorimetric Method; Calculation <sup>[2]</sup>
27	Zinc	1) Digestion, Direct Air-Acetylene Flame Method <sup>[2]</sup> 2) Digestion, Inductively Coupled Plasma Method <sup>[2]</sup>

#### เอกสารอ้างอิง

1. สมาคมวิศวกรรมสิ่งแวดล้อมแห่งประเทศไทย. คู่มือวิเคราะห์น้ำเสีย. พิมพ์ครั้งที่ 4. กรุงเทพฯ: เรือนแก้วการพิมพ์. 2547.

2. APHA, AWWA, WEF. Standard Methods for the Examination of Water and Wastewater. 23<sup>rd</sup> ed. Washington, DC: APHA, 2017.



## ภาคผนวก 76

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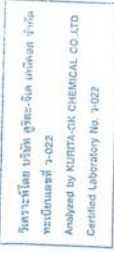
ผลการวิเคราะห์คุณภาพน้ำทิ้ง จากบ่อกักน้ำทิ้ง

Customer Name : Klongluang Utilities Company Limited  
 Attention: XXXXXXXXXX  
 Project : XXXXXXXXXX

# WASTE WATER ANALYSIS REPORT

[illegible]

**Remark :** Refer Parameter of Retention Pond sampling must be compared with the EIA regulation .  
 : This sampling must compare with Notification of the Ministry of Industry, Issue 1996,  
 : Subject: Determination of wastewater discharged characteristic and frequency 1 time/month.



*Report results refer to submitted sample(s) only*

*Sale representative*

Manager

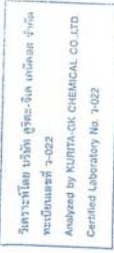
*Sale representative*

# WASTE WATER ANALYSIS REPORT

Customer Name : Klongluang Utilities Company Limited  
 Attention: [REDACTED]  
 Project :

[illegible]

**Remark :** Refer Parameter of Retention Pond sampling must be compared with the EIA regulation .  
: This sampling must compare with Notification of the Ministry of Industry, Issue 1986,  
: Subject: Determination of wastewater discharged characteristic and frequency 1 time/month.



*Report results refer to submitted sample(s) only*

*Sale representative:*

*Manager:*

Age Group	Percentage of Respondents
18-24	85%
25-34	75%
35-44	65%
45-54	55%
55-64	45%
65+	10%

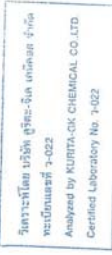


Customer Name : Klongluang Utilities Company Limited	KURITA-GK CHEMICAL CO., LTD.
Attention: [REDACTED]	460 Moo 17 Bangpli Industrial Estate
Project :	Bangsaothong, Bangsaphong district, Samunprakarn 10570
	Tel. (66)2-31 52300 Fax. (66)2-315-2301-2

# WASTE WATER ANALYSIS REPORT

[illegible]

**Remark :** Refer Parameter of Retention Pond sampling must be compared with the EIA regulation .  
: This sampling must compare with Notification of the Ministry of Industry, Issue 1996,  
: Subject: Determination of wastewater discharged characteristic and frequency 1 time/month.



*Report results refer to submitted sample(s) only*

*Sale representative:*

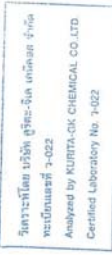
*Sale representative:*

Customer Name : Klonguang Utilities Company Limited	KURITA-GK CHEMICAL CO., LTD.
Attention: [REDACTED]	460 Moo 17 Bangphli Industrial Estate
Project :	Bangsaothong, Bangsaphong district, Samprakarn 10570
	Tel. (66)2-315-2300 Fax. (66)2-315-2301-2
	 KURITA

# WASTE WATER ANALYSIS REPORT

[illegible]

**Remark :** Refer Parameter of Retention Pond sampling must be compared with the EIA regulation .  
: This sampling must compare with Notification of the Ministry of Industry, Issue 1996,  
: Subject: Determination of wastewater discharged characteristic and frequency 1 time/month.



Manager

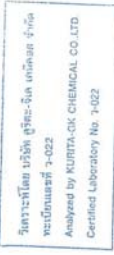
*Sale representative:*

Customer Name : Klongluang Utilities Company Limited	KURITA-GK CHEMICAL CO., LTD.
Attention: [REDACTED]	460 Moo 17 Bangphli Industrial Estate
Project :	Bangsaothong, Bangsaphong district, Samuprakarn 10570
	Tel. (66)2-31 52300 Fax. (66)2-315-2301-2
	 KURITA

# WASTE WATER ANALYSIS REPORT

[illegible]

**Remark :** Refer Parameter of Retention Pond sampling must be compared with the EIA regulation .  
: This sampling must compare with Notification of the Ministry of Industry, Issue 1996,  
: Subject: Determination of wastewater discharged characteristic and frequency | time/month.



Report results refer to submitted sample(s) only

*Sale representative:*

*Manager:*

# WASTE WATER ANALYSIS REPORT

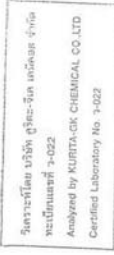
Customer Name : Klongluang Utilities Company Limited  
 Attention : XXXXXXXXXX  
 Project : XXXXXXXXXX

**KURITA-GK CHEMICAL CO., LTD.**  
 460 Moo 17 Bangphli Industrial Estate  
 Bangsaothong, Bangsaophong district, Samutprakarn 10570  
 Tel. (66)2-315-2300 Fax. (66)2-315-2301-2

 **KURITA**

[illegible]

**Remark :** Refer Parameter of Retention Pond sampling must be compared with the EIA regulation .  
: This sampling must compare with Notification of the Ministry of Industry, Issue 1996,  
: Subject: Determination of wastewater discharged characteristic and frequency | time/month.



*Report results refer to submitted sample(s) only*

*Sale representative:*

*Manager:*



## ภาคผนวก 77

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บันทึกปริมาณจราจรที่เข้า-ออกพื้นที่โครงการ

สรุปยอด เดือน ม.ค.66

วันที่	มอไซค์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บันทึก4ล้อ	บันทึก6ล้อ	บันทึก10ล้อ	เกิน10ล้อ	รวมยก
1	1	3	1	2	5					
2	2	4		1	4					
3	2	9	6	2	7					
4	3	10	12	1	7		1			
5	4	7	7	1	7		1			
6	6	11	10	2	6					
7	4	4	3	3	6					
8	3	4	1	1	6					
9	5	8	8	2	9					
10	4	6	7	3	7					
11	6	8	7	2	8					
12	5	7	6	3	7			1		
13	5	13	8	2	10					
14	2	7	4	2	4					
15		2	5	4	5					
16	6	11	11	4	11		1			
17	6	10	9	3	11					
18	5	13	9	3	7					
19	4	9	7	2	9			3		
20	6	11	10	3	7					
21	2	3			5					
22	1	3	4		6					1
23	5	6	7	2	10					
24	7	6	9	2	9			1		
25	7	9	9	1	10					
26	6	8	8	2	10					
27	5	8	6	4	7					
28	2	2	1	2	3					
29	1	5			5					
30	7	15	8	3	10					
31	6	6	6	2	7			1		1
รวม	128	228	189	64	225	0	3	7		

สรุปยอด เดือน ก.พ.66

วันที่	มอไซค์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บันทึก4ล้อ	บันทึก6ล้อ	บันทึก10ล้อ	เกิน10ล้อ	รวมยก
1	6	6	12	2	10					
2	6	6	6	5	6					
3	7	8	6	3	6			1		
4	3	5	3	3	6					
5	3	9	4	3	9					
6	6	10	8	3	12					
7	5	7	8	2	7					
8	6	8	11	2	8					
9	4	9	7	2	7					
10	6		7	3	10			1		
11	3	3	3	1	7					
12	3	4		2	8					
13	5	8	9	4	7			1		
14	5	2	4	2	8					
15	6	5	8	1	7			1		
16	4	7	7		7					
17	4	6	7	1	8					
18	3	2	3	2	4					
19	2	1	6	2	2	3				
20	6	5	3	3	8					
21	4	7	9	2	7					
22	4	6	13	1	10			1		
23	6	3	10	1	9					
24	5	10	12	2	9		1			
25	2	6	2	2	5	1	3	1		
26	4	2	3	2	5	1	1			
27	8	6	9	1	7			3		
28	4	7	9	2	8					
รวม	130	158	189	59	207	5	5	9		รวมเดือน 762



สรุปยอด เดือน มีนาคม

วันที่	บอไซค์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บันทึก4ล้อ	บันทึก6ล้อ	บันทึก10ล้อ	เกิน10 ล้อ	รวม
1	1	3	1	1	6	1				
2	3	2	1	1	5	1				
3	5	6	16	3	5					
4	5	11	14	3	9		2		1	
5	5	10	11	2	10			2		
6		4	6		6			1		
7	4	6	8	1	8			1		
8	2	4	4	1	6					
9	1	5	1		6					
10	4	10	16	4	10		2	2		
11	2	9	8	3	9					
12	3	5	9	1	10					
13		4	3	1	5					
14	3	2	2	1	7					
15	3	3			7					
16	3	6	2		5					
17	5	6	7	1	11					
18	4	6	9	1	9					
19	4	5	9		11		1		1	
20	4	4	8	2	8					
21	5	7	7	3	6					
22	3	1	4	1	6					
23		3	5		7					
24	3	8	10	1	12					
25	3	11	5	1	12					
26	6	7	13	1	10					
27	5	5	8	1	13					
28	6	8	9	1			2			
29	3	2	3		4					
30	3	1		4						
รวม	98	164	199	39	223	2	7	6	2	

สรุปยอด เดือน เม.ย.66

วันที่	บอไซค์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บันทึก4ล้อ	บันทึก6ล้อ	บันทึก10ล้อ	เกิน10 ล้อ	รวม
1	1	3	1	1	6	1				
2	3	2	1	1	5	1				
3	5	6	16	3	5					
4	5	11	14	3	9		2		1	
5	5	10	11	2	10			2		
6		4	6		6					
7	4	6	8	1	8			1		
8	2	4	4	1	6					
9	1	5	1		6					
10	4	10	16	4	10		2	2		
11	2	9	8	3	9					
12	3	5	9	1	10					
13		4	3	1	5					
14	3	2	2	1	7					
15	3	3			7					
16	3	6	2		5					
17	5	6	7	1	11					
18	4	6	9	1	9					
19	4	5	9		11		1		1	
20	4	4	8	2	8					
21	5	7	7	3	6					
22	3	1	4	1	6					
23		3	5		7					
24	3	8	10	1	12					
25	3	11	5	1	12					
26	6	7	13	1	10					
27	5	5	8	1	13					
28	6	8	9	1			2			
29	3	2	3		4					
30	3	1		4						
รวม	98	164	199	39	223	2	7	6	2	

สรุปยอด เดือน พ.ค.66

วันที่	มอเตอร์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บันทึก4ล้อ	บันทึก6ล้อ	บันทึก10ล้อ	เกิน10 ล้อ	รวมยก
1	2	5	2	3	5					
2	3	6	6	2	8					
3	5	6	11	3	8					
4	3	5	6	2	5					
5	3	9	5	1	6					
6	1	5	1		5					
7	8	2		5						
8	3	12	7	1	9			1		
9	4	6	6	1	8					
10	4	8	10	2	8					
11	3	10	7	2	6					
12	2	10	9	1	9					
13	2	4	3	1	4					
14	1	2	3	2	6					
15	3	5	8	2	7					
16	4	4	10	3	9					
17	4	6	13	1	9					
18	3	10	9	2	9					
19	5	4	10	4	9			1		
20	2	3	3	1	7					
21	3	3	7	8						
22	7	4	9	2	8			1		
23	5	10	10	1	8					
24	3	8	14	3	6					
25	4	6	7	2	6					
26	5	9	11	3	9			1		
27	2	6	9	1	6					
28	1	6	7	1	4		1			
29	2	9	11	1	7		1			
30	4	7	8	2	5			2		
31	1	15	12	1	8					
	102	205	234	63	204					

สรุปยอด เดือน มิ.ย.66

วันที่	มอเตอร์	รถเก๋ง	กระบะ	รถ SUV	รถตู้	บันทึก4ล้อ	บันทึก6ล้อ	บันทึก10ล้อ	เกิน10 ล้อ	รวมยก
1	3	7	8		7					
2	5	13	13	18		7			1	
3	3	11	10		7			1		1
4	1	8	6	1	10					
5	2	9	13	1	7					
6	4	13	17	2	10					
7	5	16	21	2	7		1			
8	4	9	14	2	7					
9	6	13	4			1				
10	2	2	4		8					
11	1	4	3	1	6					
12	5	10	11	1	9					
13	3	12	8	2	7					
14	7	7	11	1	6					
15	6	8	6	2	8			1		
16	3	12	11	5	9					
17	1	3	3	1	6					
18		3	2		5					
19	7	15	15	2	10			1		
20	5	6	11	1	11		1	1		
21	6	10	11	2	13					
22	6	9	8	2	7					1
23	7	8	10	3	9			1		
24	4	5	1		5					
25	3	4	1	1	9					
26	7	11	8	1	9			1		
27	4	5	7	2	8			1		
28	6	8	10	2	8					
29	4	7	11	3	8			1		
30	7	8	11	4	12					
	127	256	269	62	228					รวมเดือน 942



## ภาคผนวก 78

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บันทึกปริมาณขยะทั่วไป

อาคาร CCB ชั้น 1,2,3 ที่ทำการ Admin

[illegible]

อาคาร Demin Plant และ อาคาร รปภ.

[illegible]

เมื่อบริษัท

หมายเหตุ: เทศกาลวิ่งตลอดแนวพระอาทิตย์ขึ้น

เอกสาร CCB ปี 1.2.3 ที่ทำการ Admin

[illegible]

อาจารย์ Demin Piant และอาจารย์ พลก.

[illegible]

1997

หมายเหตุ: เทศบาลเมืองคลองหลวงมาจัดเก็บ  
๐ เสาร์ - อาทิตย์

อาคาร CCA ชั้น 1,2,3 ฝ่ายการ Admin

unmarked	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	122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อาคาร Demin Plant และ อาคาร รท.

[illegible]

မှတ်ချက်

นายกเทศมนตรีเมืองคลองหลวงมาจัดเก็บ

เอกสาร CCB ปี 4.1.2.3 ผนวกการ Admin

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ตลาด Destin Plant และ ตลาด รพ.

ประเภทของขยะ	ปริมาณขยะ (kg)	จำนวนขยะ (ชิ้น)	ค่าประเมิน (บาท)	รวม
ขยะทั่วไป	1.5	1	1.5	1.5
ขยะพลาสติก	1.5	1	1.5	1.5
ขยะกระดาษ	1.5	1	1.5	1.5
ขยะอิเล็กทรอนิกส์	1.5	1	1.5	1.5
ขยะอันตราย	1.5	1	1.5	1.5
รวม	5.0	5	5.0	5.0

សំណុំរឿង៖ ០០២/២០០៧

มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าธนบุรี : กรุงเทพฯ





รายงานระยะทั่วไปของโรงไฟฟ้าคลองหลวง  
ประจำเดือน .....พฤษภาคม ๒๕๖๑

อาคาร CCB ชั้น 1,2,3 ฝ่ายการ Admin

ประเภทของเสีย	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	รวม (กก.)
ขยะปกติ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ขยะฝัง	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BMS Recycle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

อาคาร Demin Plant และ อาคาร รบภ.

ขยะปกติ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ขยะฝัง	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BMS Recycle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

รวมค่าปกติทั้งหมด 188

ผู้บันทึก

ผู้รายงาน

นางสาว พงษ์พร บุญธรรม



รายงานระยะทั่วไปของโรงไฟฟ้าคลองหลวง  
ประจำเดือน .....มิถุนายน ๒๕๖๑

อาคาร CCB ชั้น 1,2,3 ฝ่ายการ Admin

ประเภทของเสีย	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	รวม (กก.)
ขยะปกติ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ขยะฝัง	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BMS Recycle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

อาคาร Demin Plant และ อาคาร รบภ.

ขยะปกติ	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ขยะฝัง	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BMS Recycle	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

รวมค่าปกติทั้งหมด 188.5

ผู้บันทึก

ผู้รายงาน

นางสาว พงษ์พร บุญธรรม