

ภาคผนวก ง3

ความสันสะท้อน



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เข็มทวีพัฒนา เรซิดเ็นซ์ จำกัด
 Project Name : โครงการ ฟิส พหลา 59 สเตชั่น
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/2
 Sample Type : Vibration
 Sampling Date : 09 - 10 March 2026
 Received Date : 11 March 2026
 Analytical Date : 11 - 17 March 2026
 Report Date : 18 March 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.386	30.0	1.364	7.0	0.497	2.1	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.386	4.0	0.985	4.9	0.426	2.7	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	< 0.127	4.1	0.331	4.1	< 0.127	4.5	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.229	3.4	1.056	4.4	0.284	2.3	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.363	3.7	1.017	5.1	0.386	2.8	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.284	> 100	1.269	5.4	0.370	5.5	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.284	3.3	1.261	7.0	0.347	5.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.229	2.7	1.017	5.0	0.236	5.8	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.205	3.5	0.977	6.1	0.244	6.4	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.364	7.0	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชัน
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/3
Sample Type : Vibration
Sampling Date : 10 - 11 March 2026
Received Date : 12 March 2026
Analytical Date : 12 - 17 March 2026
Report Date : 18 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.268	4.5	1.127	6.8	0.276	6.1	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.252	3.0	1.198	5.4	0.363	5.3	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.394	6.3	1.230	8.0	0.315	7.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.197	5.5	1.316	10.3	0.252	4.9	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.252	2.7	0.835	6.4	0.224	14.4	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.268	11.1	1.324	7.2	0.386	16.5	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.489	7.0	1.624	4.2	0.536	4.8	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.315	4.5	1.048	4.5	0.434	3.8	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.378	3.2	1.513	4.3	0.457	4.4	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.331	4.2	0.835	4.7	0.268	5.2	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.292	2.9	1.267	4.0	0.410	3.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.624	4.2	-	-	$f \leq 10$	5.000

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Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/4
Sample Type : Vibration
Sampling Date : 11 - 12 March 2026
Received Date : 13 March 2026
Analytical Date : 13 - 17 March 2026
Report Date : 18 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.820	8.8	3.768	5.7	0.812	4.7	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.394	5.2	2.349	3.6	0.497	6.2	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.465	4.5	1.419	4.8	0.426	6.4	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.512	3.8	1.411	4.2	0.363	4.6	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.394	4.9	1.482	3.9	0.386	5.2	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.481	3.4	1.427	4.9	0.591	6.9	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.370	3.9	1.293	4.6	0.307	3.7	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.394	8.0	1.632	5.8	0.520	19.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.355	3.6	1.261	6.8	0.370	5.2	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.268	5.3	0.962	4.7	0.323	5.2	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.528	5.2	2.443	5.3	0.457	5.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.768	5.7	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

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เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชัน
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/5
Sample Type : Vibration
Sampling Date : 12 - 13 March 2026
Received Date : 16 March 2026
Analytical Date : 16 - 17 March 2026
Report Date : 18 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.292	4.6	2.294	4.3	0.449	4.9	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.260	60.0	1.159	5.6	0.292	5.1	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.268	3.5	1.237	4.1	0.339	3.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.481	3.8	0.780	5.6	0.181	2.7	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.410	4.1	0.717	4.7	0.276	2.7	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.434	5.7	1.127	7.1	0.402	6.5	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.244	4.6	0.851	4.1	0.363	3.2	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.497	7.4	1.710	4.0	0.536	3.4	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.481	37.0	2.160	6.1	0.528	23.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.252	4.6	1.301	4.2	0.378	4.3	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.567	8.1	1.182	4.3	0.473	7.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.294	4.3	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz

Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/6
Sample Type : Vibration
Sampling Date : 13 - 14 March 2026
Received Date : 16 March 2026
Analytical Date : 16 - 17 March 2026
Report Date : 18 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.331	3.3	0.906	5.2	0.363	2.3	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.292	3.7	0.828	5.2	0.410	2.2	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.307	3.8	0.741	4.1	0.386	2.5	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.213	4.0	0.804	5.5	0.370	3.3	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.386	9.9	1.080	4.7	0.363	4.3	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.457	4.7	1.167	5.4	0.252	5.9	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.497	2.9	1.308	4.0	0.457	3.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.331	3.5	1.040	3.7	0.229	3.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.331	4.3	0.851	5.4	0.402	4.6	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.292	6.0	0.891	4.6	0.315	8.8	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.308	4.0	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เข็มทวีพัฒนา เรซซิ่ง จำกัด
 Project Name : โครงการ ฟีล พหลฯ 59 สเตชั่น
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/7
 Sample Type : Vibration
 Sampling Date : 14 - 15 March 2026
 Received Date : 16 March 2026
 Analytical Date : 16 - 17 March 2026
 Report Date : 18 March 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.307	3.6	1.403	4.6	0.315	4.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.536	4.5	1.900	4.0	0.426	4.1	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.465	3.3	1.758	3.6	0.552	4.0	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.292	3.1	1.174	5.1	0.441	5.7	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.355	4.8	1.584	5.1	0.497	5.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	1.900	4.0	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวเสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เข็มทรีพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟीलล์ ฟาฮอน 59 สเตชัน
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/8
Sample Type : Vibration
Sampling Date : 15 - 16 March 2026
Received Date : 17 March 2026
Analytical Date : 17 - 25 March 2026
Report Date : 26 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.473	4.1	1.608	5.6	0.489	5.5	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.307	5.3	1.450	5.4	0.418	5.3	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.528	4.5	1.797	10.4	0.473	17.7	$10 < f \leq 50$	5.100
11.00 a.m. - 12.00 p.m.	0.363	4.5	1.963	6.3	0.489	6.6	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.394	3.3	1.143	8.2	0.292	6.8	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.355	6.2	1.702	19.0	0.631	30.0	$10 < f \leq 50$	7.250
24 Hour Maximum	-	-	1.963	6.3	-	-	$f \leq 10$	5.000

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Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/9
Sample Type : Vibration
Sampling Date : 16 - 17 March 2026
Received Date : 18 March 2026
Analytical Date : 18 - 25 March 2026
Report Date : 26 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.591	7.0	1.813	4.5	0.489	4.2	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.512	7.6	2.664	3.7	0.694	17.4	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.315	4.3	1.237	4.4	0.323	4.4	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.355	10.3	2.089	4.6	0.457	3.4	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.465	6.2	1.048	4.7	0.473	4.6	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.173	13.3	0.591	11.4	< 0.127	12.2	$10 < f \leq 50$	5.350
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.307	6.0	1.797	4.5	0.489	2.8	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.434	4.8	1.584	11.3	0.512	15.3	$10 < f \leq 50$	5.325
10.00 a.m. - 11.00 a.m.	0.221	3.8	1.182	8.2	0.583	10.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.520	4.8	2.372	5.1	0.481	6.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	1.088	11.0	4.209	8.9	2.065	14.2	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.489	9.6	1.718	6.6	1.458	26.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	4.209	8.9	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/10
Sample Type : Vibration
Sampling Date : 17 - 18 March 2026
Received Date : 19 March 2026
Analytical Date : 19 - 25 March 2026
Report Date : 26 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.638	17.7	3.862	12.0	1.734	35.0	10 < f ≤ 50	5.500
03.00 p.m. - 04.00 p.m.	0.504	18.6	1.758	11.0	0.883	32.0	10 < f ≤ 50	5.250
04.00 p.m. - 05.00 p.m.	0.441	3.8	3.704	4.4	0.828	4.2	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	0.426	10.7	2.286	10.2	0.638	9.9	10 < f ≤ 50	5.050
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.347	3.4	1.718	6.4	0.355	5.1	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	0.355	2.9	1.442	5.6	0.386	5.9	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.418	4.1	1.466	9.9	0.434	2.7	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.536	2.8	1.892	5.2	0.631	4.9	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	0.457	5.2	1.907	4.6	0.654	5.7	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	0.307	3.1	1.245	4.3	0.402	3.9	f ≤ 10	5.000
24 Hour Maximum	-	-	3.862	12.0	-	-	10 < f ≤ 50	5.500

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec).
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/11
Sample Type : Vibration
Sampling Date : 18 - 19 March 2026
Received Date : 20 March 2026
Analytical Date : 20 - 25 March 2026
Report Date : 26 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.355	4.7	1.860	5.7	0.441	5.1	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.575	4.7	1.197	5.1	0.717	3.1	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.394	3.8	1.505	5.2	0.426	4.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.418	3.8	1.222	4.3	0.370	4.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.560	3.2	2.790	4.4	0.623	5.3	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.512	15.5	2.869	8.3	0.835	6.2	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.441	3.1	2.333	8.9	0.599	5.3	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.323	3.8	2.577	4.6	0.567	4.9	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.765	9.1	3.831	8.0	1.277	8.3	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.434	12.6	1.647	8.4	0.426	10.1	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.831	8.0	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

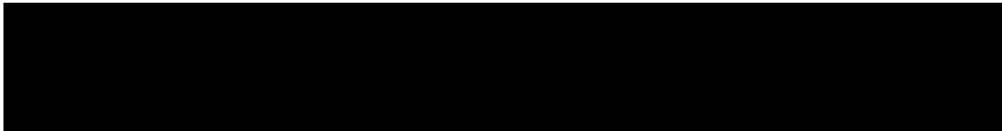
Report No. : S69047
Sample No. : S69047/12
Sample Type : Vibration
Sampling Date : 19 - 20 March 2026
Received Date : 23 March 2026
Analytical Date : 23 - 25 March 2026
Report Date : 26 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.307	6.9	1.482	7.3	0.441	3.9	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.607	33.0	2.057	13.8	1.702	28.0	$10 < f \leq 50$	5.950
04.00 p.m. - 05.00 p.m.	0.733	29.0	1.379	15.3	1.285	31.0	$10 < f \leq 50$	6.325
05.00 p.m. - 06.00 p.m.	0.985	21.0	1.379	6.4	1.592	30.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.355	4.7	1.316	6.6	0.331	9.1	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.465	21.0	1.844	11.8	1.009	24.0	$10 < f \leq 50$	5.450
09.00 a.m. - 10.00 a.m.	0.355	13.0	2.278	7.9	0.457	8.5	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.875	54.0	2.199	17.4	1.703	35.0	$10 < f \leq 50$	6.850
11.00 a.m. - 12.00 p.m.	1.001	7.3	3.302	7.1	1.127	5.4	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.307	3.8	2.073	5.3	0.544	4.8	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.449	3.6	1.442	16.0	0.512	9.0	$10 < f \leq 50$	6.500
24 Hour Maximum	-	-	3.302	7.1	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory


Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/13
Sample Type : Vibration
Sampling Date : 20 - 21 March 2026
Received Date : 23 March 2026
Analytical Date : 23 - 25 March 2026
Report Date : 26 March 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.426	7.3	1.576	10.1	0.307	5.2	10 < f ≤ 50	5.025
03.00 p.m. - 04.00 p.m.	0.300	3.7	1.017	5.7	0.284	2.1	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	0.441	4.5	2.372	4.9	0.552	4.4	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.489	4.9	3.326	5.2	0.977	4.1	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	0.426	4.3	1.931	3.6	0.528	3.2	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.646	7.5	2.569	5.1	1.103	5.6	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.343	5.3	3.500	7.7	0.733	5.8	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	0.410	21.0	1.915	17.1	0.686	28.0	10 < f ≤ 50	6.775
01.00 p.m. - 02.00 p.m.	0.347	4.7	1.198	7.2	0.465	5.3	f ≤ 10	5.000
24 Hour Maximum	-	-	3.500	7.7	-	-	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เข็นทรล์พัฒนา เรซซิเด็นซ์ จำกัด
 Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/14
 Sample Type : Vibration
 Sampling Date : 21 - 22 March 2026
 Received Date : 23 March 2026
 Analytical Date : 23 - 25 March 2026
 Report Date : 26 March 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.355	5.4	1.521	4.2	0.481	4.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.402	28.0	1.766	14.8	0.536	29.0	$10 < f \leq 50$	6.200
04.00 p.m. - 05.00 p.m.	0.315	3.3	2.428	5.2	0.449	3.6	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.363	3.9	1.978	5.0	0.741	5.5	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.457	5.0	1.450	3.8	0.591	4.2	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.410	21.0	1.915	17.1	0.686	28.0	$10 < f \leq 50$	6.775
11.00 a.m. - 12.00 p.m.	0.426	4.7	1.143	5.0	0.236	5.2	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.355	3.6	1.088	4.6	0.252	4.5	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.355	3.3	1.348	7.5	0.394	6.2	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.428	5.2	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซิดเ็นซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/15
Sample Type : Vibration
Sampling Date : 22 - 23 March 2026
Received Date : 24 March 2026
Analytical Date : 24 March - 01 April 2026
Report Date : 02 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.615	3.7	1.151	3.9	0.339	4.3	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	0.686	6.0	1.009	7.4	0.331	4.6	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.607	4.0	1.411	4.9	0.457	7.0	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	1.285	3.2	2.451	4.6	0.662	6.4	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	1.174	5.8	2.798	4.7	0.575	6.7	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	1.017	5.2	2.932	6.4	1.025	9.6	f ≤ 10	5.000
24 Hour Maximum	-	-	2.932	6.4	-	-	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010). Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 s, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/16
Sample Type : Vibration
Sampling Date : 23 - 24 March 2026
Received Date : 25 March 2026
Analytical Date : 25 March - 01 April 2026
Report Date : 02 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.017	6.4	2.830	5.7	0.536	4.6	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	2.554	5.4	2.451	4.9	1.230	8.4	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	2.168	6.6	1.655	7.6	3.547	5.8	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.922	4.6	2.238	4.2	0.567	5.8	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.536	20.0	1.458	29.0	0.772	30.0	$10 < f \leq 50$	9.750
09.00 a.m. - 10.00 a.m.	0.694	4.2	1.230	5.1	0.544	4.5	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.497	28.0	1.434	30.0	0.772	37.0	$10 < f \leq 50$	10.000
11.00 a.m. - 12.00 p.m.	0.552	3.9	1.592	26.0	0.701	38.0	$10 < f \leq 50$	9.000
12.00 p.m. - 01.00 p.m.	0.544	26.0	1.632	24.0	0.567	35.0	$10 < f \leq 50$	8.500
01.00 p.m. - 02.00 p.m.	0.544	4.1	1.679	4.6	0.457	5.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	-	-	3.547	5.8	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 1, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec).
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวเสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซิดเ็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/17
Sample Type : Vibration
Sampling Date : 24 - 25 March 2026
Received Date : 26 March 2026
Analytical Date : 26 March - 01 April 2026
Report Date : 02 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.678	4.0	1.324	4.0	0.512	4.6	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	1.316	6.1	2.774	4.2	0.741	5.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.969	16.0	1.419	3.8	0.512	12.0	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	1.167	4.7	1.663	4.2	0.709	5.1	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.701	5.9	1.395	5.9	0.536	11.0	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.174	5.8	2.798	4.7	0.575	6.7	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.914	4.2	2.577	4.6	1.111	11.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.504	3.6	1.419	6.0	1.017	8.3	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.583	6.6	1.301	4.0	0.504	4.5	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.765	4.5	2.065	4.5	0.473	4.1	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.798	4.7	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/18
Sample Type : Vibration
Sampling Date : 25 - 26 March 2026
Received Date : 27 March 2026
Analytical Date : 27 March - 01 April 2026
Report Date : 02 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	0.772	4.1	2.034	3.8	0.654	5.2	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	2.041	15.6	2.128	22.0	1.608	15.3	$10 < f \leq 50$	8.000
05.00 p.m. - 06.00 p.m.	0.954	6.1	3.145	4.6	0.741	8.5	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.741	5.4	1.696	5.6	0.678	7.8	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.922	4.3	2.459	4.3	0.497	6.0	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	1.198	6.4	2.735	6.4	0.930	6.4	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.608	6.3	2.546	6.0	1.040	6.6	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.245	4.0	2.916	4.0	0.828	5.1	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	1.450	10.8	3.263	3.9	0.851	10.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	1.458	10.4	1.876	7.2	0.560	13.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.599	4.4	2.238	5.9	0.954	7.4	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.263	3.9	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
 Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/19
 Sample Type : Vibration
 Sampling Date : 26 - 27 March 2026
 Received Date : 30 March 2026
 Analytical Date : 30 March - 01 April 2026
 Report Date : 02 April 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.245	4.6	2.207	8.1	1.371	11.4	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.906	6.2	2.254	4.8	0.686	7.6	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	2.278	16.0	3.192	22.0	3.161	12.0	$10 < f \leq 50$	8.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	0.307	4.0	0.883	3.9	0.244	4.3	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	0.339	3.0	0.875	3.8	0.142	4.4	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	1.088	4.7	2.956	4.2	0.765	5.3	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.844	9.5	3.641	16.0	1.466	16.0	$10 < f \leq 50$	6.500
10.00 a.m. - 11.00 a.m.	1.230	8.1	2.246	5.1	0.922	7.8	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.686	4.3	1.884	4.5	0.544	5.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.835	4.0	2.388	4.0	0.623	5.4	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.607	4.0	1.419	4.1	0.528	8.1	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.641	16.0	-	-	$10 < f \leq 50$	6.500

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเด้นซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชัน
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/20
Sample Type : Vibration
Sampling Date : 27 - 28 March 2026
Received Date : 30 March 2026
Analytical Date : 30 March - 06 April 2026
Report Date : 07 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.474	6.9	3.184	6.6	1.545	5.7	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.749	6.7	2.112	7.2	1.056	7.8	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.805	28.0	3.090	10.7	1.434	11.0	$10 < f \leq 50$	5.175
05.00 p.m. - 06.00 p.m.	2.357	20.0	2.885	17.1	0.946	13.3	$10 < f \leq 50$	6.775
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.418	3.2	1.048	5.3	0.489	6.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.985	5.4	1.742	4.0	0.701	5.6	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.033	3.8	1.955	4.6	0.733	5.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.694	3.7	1.561	5.2	0.536	9.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.552	3.1	1.210	4.5	0.520	4.9	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	1.632	29.0	2.223	8.4	1.096	24.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.184	6.6	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/21
Sample Type : Vibration
Sampling Date : 28 - 29 March 2026
Received Date : 30 March 2026
Analytical Date : 30 March - 06 April 2026
Report Date : 07 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.725	4.7	1.553	4.9	0.457	3.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	1.174	9.0	2.049	6.5	1.127	8.5	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.930	3.6	3.429	4.6	0.930	6.6	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	3.429	4.6	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 3, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/22
Sample Type : Vibration
Sampling Date : 29 - 30 March 2026
Received Date : 31 March 2026
Analytical Date : 31 March - 06 April 2026
Report Date : 07 April 2026
Measurement Method : Sound Level Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.394	6.2	1.040	6.9	0.631	3.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.583	4.3	2.041	5.2	1.766	9.1	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.426	4.1	1.261	5.2	0.607	7.8	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	1.151	16.0	1.482	4.3	0.993	14.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.599	6.3	1.206	4.1	0.701	8.1	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.840	15.0	2.577	9.1	1.001	10.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.577	9.1	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/23
Sample Type : Vibration
Sampling Date : 30 - 31 March 2026
Received Date : 01 April 2026
Analytical Date : 01 - 06 April 2026
Report Date : 07 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.355	17.0	1.327	6.3	0.560	13.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.410	3.4	1.214	4.5	0.670	4.5	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.725	7.1	1.726	5.9	0.938	5.1	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.772	12.0	1.293	5.8	0.591	5.3	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.544	8.7	1.159	4.8	0.922	11.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.670	5.8	1.663	4.3	0.962	4.2	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.449	6.6	1.167	4.0	0.772	4.6	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.481	5.2	1.616	4.5	0.457	4.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.497	4.2	1.198	4.7	0.489	4.1	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.481	5.5	1.490	4.7	0.552	4.4	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.528	5.0	1.520	5.0	0.631	3.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.726	5.9	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา จำกัด

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเด้นซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/24
Sample Type : Vibration
Sampling Date : 31 March - 01 April 2026
Received Date : 02 April 2026
Analytical Date : 02 - 06 April 2026
Report Date : 07 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.497	5.6	1.663	4.3	0.662	4.5	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.441	5.0	1.521	4.7	0.749	4.1	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.481	5.4	1.734	4.7	0.623	4.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.544	6.6	1.198	4.7	0.575	7.1	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.410	5.2	1.876	4.6	0.536	3.9	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.536	3.0	0.922	5.6	0.709	4.7	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.686	3.8	1.553	5.6	0.733	4.9	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.457	8.1	1.545	4.1	0.434	5.6	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.914	7.0	1.301	9.0	0.875	6.6	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	1.419	9.8	3.681	6.3	2.112	5.9	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.607	6.6	2.160	4.1	0.709	4.3	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.607	7.0	1.734	4.7	0.906	4.7	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.681	6.3	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : T21A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชจิดิ้นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/2
Sample Type : Vibration
Sampling Date : 01 - 02 April 2026
Received Date : 03 April 2026
Analytical Date : 03 - 08 April 2026
Report Date : 08 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.536	5.3	2.372	4.5	0.567	6.2	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	1.947	11.0	3.279	8.4	1.301	2.5	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.497	30.0	1.710	23.0	0.638	5.0	$10 < f \leq 50$	8.250
05.00 p.m. - 06.00 p.m.	0.962	9.1	2.420	6.1	0.678	9.8	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	1.245	16.0	2.191	18.0	1.285	17.0	$10 < f \leq 50$	7.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	0.189	5.1	0.835	4.6	0.158	5.4	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.410	7.3	0.875	6.9	0.662	5.3	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	1.876	5.3	3.972	5.4	1.245	6.0	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.411	9.1	3.137	5.7	0.812	7.2	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.371	6.6	2.664	6.0	1.253	6.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	1.080	10.0	2.499	7.6	0.867	7.9	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.536	5.4	1.521	6.1	0.969	11.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.489	10.0	1.056	4.1	0.504	4.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.972	5.4	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/3
Sample Type : Vibration
Sampling Date : 02 - 03 April 2026
Received Date : 06 April 2026
Analytical Date : 06 - 08 April 2026
Report Date : 08 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.497	6.0	1.529	4.6	0.820	4.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.812	7.9	1.419	8.3	0.528	7.8	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.568	10.0	2.372	7.8	0.804	6.1	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.536	5.5	1.324	4.3	0.497	4.1	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.733	8.1	1.403	7.5	0.544	11.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.497	5.4	1.001	4.7	0.749	4.3	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.892	13.0	2.585	10.0	0.780	20.0	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.608	14.0	2.065	9.8	0.497	18.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.591	8.3	1.458	4.3	0.938	4.4	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.567	9.8	1.773	4.2	0.662	4.9	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	1.017	15.0	1.829	6.7	1.151	6.9	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.585	10.0	-	-	$f \leq 10$	5.000

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Model and Serial No. : 721A2601 and S/N-UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/4
Sample Type : Vibration
Sampling Date : 03 - 04 April 2026
Received Date : 06 April 2026
Analytical Date : 06 - 20 April 2026
Report Date : 21 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.072	12.0	1.600	10.0	0.780	10.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	1.111	11.0	1.907	9.7	0.631	9.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.717	12.0	2.104	5.0	0.694	6.5	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	1.308	8.0	2.743	5.4	1.009	9.1	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	1.182	13.0	1.600	17.0	1.174	13.0	$10 < f \leq 50$	6.750
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.670	8.1	2.097	7.8	1.639	7.9	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.757	7.8	2.648	6.1	1.710	6.1	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.269	10.0	2.278	5.4	1.356	8.8	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	1.111	9.7	1.939	4.9	0.780	3.7	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.646	8.4	1.505	4.7	0.843	4.5	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.694	2.6	1.994	5.3	0.757	4.7	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.743	5.4	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/5
Sample Type : Vibration
Sampling Date : 04 - 05 April 2026
Received Date : 06 April 2026
Analytical Date : 06 - 20 April 2026
Report Date : 21 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.332	19.0	1.758	15.0	0.544	4.7	10 < f ≤ 50	6.250
03.00 p.m. - 04.00 p.m.	0.670	20.0	1.384	6.5	0.607	7.3	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	0.370	3.6	1.813	5.7	0.725	5.6	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	0.363	6.5	1.742	6.4	0.741	7.3	f ≤ 10	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	1.813	5.7	-	-	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/6
Sample Type : Vibration
Sampling Date : 05 - 06 April 2026
Received Date : 07 April 2026
Analytical Date : 07 - 20 April 2026
Report Date : 21 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	-	-	-	-	-	-

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/7
Sample Type : Vibration
Sampling Date : 06 - 07 April 2026
Received Date : 08 April 2026
Analytical Date : 08 - 20 April 2026
Report Date : 21 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.426	4.6	0.993	4.6	0.481	3.9	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.575	5.2	0.906	4.9	0.694	5.1	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.418	4.5	1.253	4.3	0.835	3.9	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.473	4.2	0.938	4.1	0.528	5.2	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.449	10.0	1.017	6.2	0.843	4.4	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.489	9.8	1.411	6.6	0.820	7.1	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.411	6.6	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/8
Sample Type : Vibration
Sampling Date : 07 - 08 April 2026
Received Date : 09 April 2026
Analytical Date : 09 - 20 April 2026
Report Date : 21 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.402	8.4	1.458	4.0	0.694	3.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.473	17.0	0.859	5.8	0.701	8.5	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.386	5.5	1.064	6.0	0.599	5.6	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.378	10.0	0.820	13.0	0.426	9.0	$10 < f \leq 50$	5.750
06.00 p.m. - 07.00 p.m.	0.355	7.0	1.379	4.6	0.481	4.8	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.528	4.3	0.899	5.2	0.536	5.1	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.567	4.5	1.521	5.8	0.954	4.2	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.544	4.5	1.545	4.3	0.465	2.8	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.497	3.3	0.960	3.8	0.489	3.8	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.473	8.3	1.103	5.9	0.449	6.2	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.536	13.0	1.592	5.1	0.441	4.5	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	1.261	8.8	2.089	6.3	0.725	5.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.089	6.3	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/9
Sample Type : Vibration
Sampling Date : 08 - 09 April 2026
Received Date : 10 April 2026
Analytical Date : 10 - 20 April 2026
Report Date : 21 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.520	3.7	1.923	4.7	0.709	4.5	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.315	4.6	0.954	4.1	0.441	3.7	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.473	6.1	1.230	5.3	0.607	6.6	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.536	5.1	1.001	3.5	0.575	3.2	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.686	7.5	1.230	7.3	0.820	7.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.575	6.8	1.237	6.9	0.512	5.7	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.749	9.8	1.876	4.9	0.788	5.0	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.419	7.6	2.767	5.0	0.938	9.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.662	5.9	1.923	5.8	0.489	4.6	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.418	7.5	1.080	5.3	0.599	5.2	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	< 0.127	4.5	1.253	4.3	0.835	3.9	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.767	5.0	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชซิเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/10
Sample Type : Vibration
Sampling Date : 09 - 10 April 2026
Received Date : 16 April 2026
Analytical Date : 16 - 20 April 2026
Report Date : 21 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.402	4.9	2.365	4.2	0.583	5.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	1.332	11.0	3.113	7.8	0.788	5.6	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.520	3.7	1.923	4.7	0.709	4.5	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.804	3.8	2.112	4.3	0.631	5.4	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.899	12.0	2.948	6.2	2.010	5.4	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.678	4.0	1.450	5.7	0.709	5.4	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.331	13.0	1.395	8.8	0.796	9.1	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.512	3.4	0.938	5.6	0.993	5.6	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.418	6.3	1.450	4.4	0.465	4.3	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.497	3.8	1.316	4.3	0.575	5.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.113	7.8	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

ผู้ตรวจประเมินสิ่งแวดล้อม

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/11
Sample Type : Vibration
Sampling Date : 10 - 11 April 2026
Received Date : 16 April 2026
Analytical Date : 16 - 22 April 2026
Report Date : 23 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.560	6.0	1.174	6.0	0.717	5.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.481	3.7	1.302	5.7	0.481	4.9	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.520	4.0	1.923	6.6	1.096	5.1	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.465	6.2	1.458	4.3	0.938	6.8	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.922	8.3	3.145	4.6	1.482	5.1	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	0.386	14.0	1.529	6.8	0.694	9.7	$f \leq 10$	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	1.114	28.0	1.915	34.0	1.378	11.0	$10 < f \leq 50$	11.000
09.00 a.m. - 10.00 a.m.	0.686	7.4	1.072	4.7	1.285	11.0	$10 < f \leq 50$	5.250
10.00 a.m. - 11.00 a.m.	0.733	5.1	1.198	5.4	0.741	5.3	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.977	4.3	3.886	4.4	1.088	5.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	1.198	6.9	3.066	4.5	1.040	6.9	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.465	11.0	1.025	5.2	0.646	5.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.886	4.4	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 J, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/12
Sample Type : Vibration
Sampling Date : 11 - 12 April 2026
Received Date : 16 April 2026
Analytical Date : 16 - 22 April 2026
Report Date : 23 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.410	11.0	1.009	4.6	0.820	4.7	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.410	5.6	1.064	5.3	0.804	5.7	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.119	18.0	2.097	7.2	1.096	5.0	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.686	8.1	1.647	7.5	1.009	8.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.560	8.7	1.356	6.1	0.765	8.1	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	2.097	7.2	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชจิดันซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
 (Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/24
Sample Type : Vibration
Sampling Date : 12 - 13 April 2026
Received Date : 16 April 2026
Analytical Date : 16 - 22 April 2026
Report Date : 23 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.197	2.7	0.339	4.3	< 0.127	6.4	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	0.181	2.6	0.402	1.9	< 0.127	5.1	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.229	1.3	0.339	2.4	0.142	2.2	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.124	5.1	0.378	2.7	0.181	2.7	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	< 0.127	10.0	0.465	9.7	< 0.127	1.3	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	< 0.127	3.9	0.378	6.7	0.166	2.7	$f \leq 10$	5.000
24 Hour Maximum	-	-	0.465	9.7	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200


 Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/25
Sample Type : Vibration
Sampling Date : 13 - 14 April 2026
Received Date : 16 April 2026
Analytical Date : 16 - 22 April 2026
Report Date : 23 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.134	4.5	0.394	4.3	0.181	4.3	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	0.173	4.1	0.441	4.1	0.173	4.1	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.166	4.0	0.441	4.1	0.181	4.0	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	0.150	4.1	0.315	5.6	0.142	1.4	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	0.213	6.4	0.386	4.3	0.229	6.4	$f \leq 10$	5.000
24 Hour Maximum	-	-	0.441	4.1	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Pakinee

Miss Pakinee Chueawiang

Reviewed Signatory



Oranan

Miss Oranan Jantarapum

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/26
Sample Type : Vibration
Sampling Date : 14 - 15 April 2026
Received Date : 16 April 2026
Analytical Date : 16 - 22 April 2026
Report Date : 23 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	0.189	3.1	0.465	10.0	0.205	1.4	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	0.166	< 1.0	0.197	3.0	0.331	2.5	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	< 0.127	3.3	0.205	2.1	0.378	2.0	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	0.173	2.6	0.402	5.1	< 0.127	3.1	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	< 0.127	3.0	0.370	4.7	0.166	3.4	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	0.465	10.0	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील เฟลล่า 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/27
Sample Type : Vibration
Sampling Date : 15 - 16 April 2026
Received Date : 17 April 2026
Analytical Date : 17 - 22 April 2026
Report Date : 23 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	0.347	8.2	0.441	3.6	0.189	2.1	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.142	2.4	0.402	3.3	< 0.127	4.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.134	5.2	0.323	4.5	0.134	4.5	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	0.166	2.6	0.300	3.0	0.221	2.7	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.197	5.2	0.449	4.4	0.229	4.9	$f \leq 10$	5.000
24 Hour Maximum	-	-	0.449	4.4	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/28
Sample Type : Vibration
Sampling Date : 16 - 17 April 2026
Received Date : 18 April 2026
Analytical Date : 18 - 22 April 2026
Report Date : 23 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	0.189	3.4	0.394	2.8	0.197	2.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.426	3.3	0.552	2.3	0.567	2.4	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.229	5.9	0.370	4.8	0.229	3.1	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	< 0.127	5.4	0.402	3.7	< 0.127	4.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	0.134	3.6	0.363	4.6	< 0.127	3.9	$f \leq 10$	5.000
24 Hour Maximum	-	-	-	-	0.567	2.4	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/29
Sample Type : Vibration
Sampling Date : 17 - 18 April 2026
Received Date : 20 April 2026
Analytical Date : 20 - 29 April 2026
Report Date : 30 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	0.300	2.7	0.252	3.1	0.265	3.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	< 0.127	1.9	0.323	6.1	< 0.127	10.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.173	1.8	0.410	4.4	0.159	2.0	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.268	3.2	0.173	6.4	0.323	2.7	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	0.158	3.6	0.339	4.2	0.150	3.7	$f \leq 10$	5.000
24 Hour Maximum	-	-	0.410	4.4	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : 569047
Sample No. : 569047/30
Sample Type : Vibration
Sampling Date : 18 - 19 April 2026
Received Date : 20 April 2026
Analytical Date : 20 - 29 April 2026
Report Date : 30 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	0.307	5.8	0.197	8.4	< 0.127	5.0	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	0.158	6.0	0.339	3.4	< 0.127	6.4	f ≤ 10	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.166	4.3	0.591	4.6	0.137	6.0	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	0.181	3.1	0.300	2.4	< 0.127	2.8	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	0.134	6.4	0.489	4.7	< 0.127	5.3	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	0.591	4.6	-	-	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

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E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เข็นทรล์พัฒนา เรซซิเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/31
Sample Type : Vibration
Sampling Date : 19 - 20 April 2026
Received Date : 21 April 2026
Analytical Date : 21 - 29 April 2026
Report Date : 30 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.213	4.7	0.300	3.9	0.221	4.3	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	0.229	2.4	0.418	3.6	0.236	2.7	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.300	3.7	0.323	3.9	0.158	2.4	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.363	3.0	0.315	5.2	0.213	4.2	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	0.244	3.8	0.347	4.6	0.158	2.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.267	6.6	0.977	4.9	0.292	3.7	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.236	5.8	1.072	4.1	0.331	4.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.552	4.9	1.750	5.2	0.851	6.2	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.615	9.0	1.663	7.5	0.638	7.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.701	3.7	1.190	5.3	0.788	4.3	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.750	5.2	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/13
Sample Type : Vibration
Sampling Date : 20 - 21 April 2026
Received Date : 22 April 2026
Analytical Date : 22 - 29 April 2026
Report Date : 30 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.505	5.6	3.492	5.4	1.923	5.2	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.583	12.0	1.017	9.1	1.080	12.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.064	7.4	2.530	6.6	1.198	7.4	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.536	5.3	1.718	6.6	1.033	7.9	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.205	6.8	0.560	6.1	0.260	6.2	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	< 0.127	4.7	0.646	4.5	0.181	4.3	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	0.134	6.3	0.575	4.9	0.166	4.7	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	0.142	6.7	0.552	5.3	0.158	5.6	$f \leq 10$	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.583	3.3	1.892	4.7	0.504	3.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.260	6.4	0.977	4.7	0.307	3.8	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.977	15.0	0.583	4.7	0.623	11.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.355	4.7	1.616	4.7	0.504	5.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.504	6.9	1.663	6.0	0.772	6.2	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.686	9.8	1.876	4.6	0.922	15.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.492	5.4	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

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ANALYSIS REPORT**Data Provided by Customer**

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
 Project Name : โครงการ ฟील พหลฯ 59 สถานี
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/14
 Sample Type : Vibration
 Sampling Date : 21 - 22 April 2026
 Received Date : 23 April 2026
 Analytical Date : 23 - 29 April 2026
 Report Date : 30 April 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.206	16.0	1.285	7.0	0.591	5.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.631	6.2	2.767	4.2	0.891	6.3	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.860	8.0	4.713	6.4	2.743	7.9	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.481	8.7	0.741	8.4	0.560	6.8	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	< 0.127	6.9	0.528	5.0	0.134	6.6	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.150	4.2	0.583	4.2	0.181	4.8	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	0.189	5.2	0.694	3.7	0.268	3.5	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	0.150	4.4	0.599	3.5	0.307	3.7	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.134	4.3	0.678	3.7	0.307	3.8	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	< 0.127	5.3	0.599	4.3	0.166	4.2	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.189	3.5	0.717	3.7	0.252	4.2	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	0.213	4.9	0.741	3.8	0.307	3.9	$f \leq 10$	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	1.017	8.3	2.522	4.1	0.914	4.1	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.512	3.6	0.993	4.7	0.678	3.5	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.662	9.3	1.324	7.8	0.441	12.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	1.600	12.0	0.757	8.7	0.938	7.6	$10 < f \leq 50$	5.500
12.00 p.m. - 01.00 p.m.	1.072	8.5	3.649	17.0	1.198	13.0	$10 < f \leq 50$	6.750
01.00 p.m. - 02.00 p.m.	1.056	8.8	3.019	6.6	1.411	6.2	$f \leq 10$	5.000
24 Hour Maximum	-	-	4.713	6.4	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/15
Sample Type : Vibration
Sampling Date : 22 - 23 April 2026
Received Date : 24 April 2026
Analytical Date : 24 - 29 April 2026
Report Date : 30 April 2026
Measurement Method : 30 April 2026

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.536	6.6	1.214	8.1	0.607	9.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.528	11.0	0.993	9.3	0.536	12.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.883	7.1	0.678	7.2	0.835	3.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.449	5.6	0.851	11.0	0.544	3.4	$10 < f \leq 50$	5.250
06.00 p.m. - 07.00 p.m.	0.875	16.0	1.206	5.8	1.001	11.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.528	5.0	1.009	4.5	0.497	5.4	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.512	10.0	0.843	4.6	0.631	6.1	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	0.615	6.0	0.796	5.1	0.497	5.6	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.828	4.5	1.340	6.4	0.914	5.3	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.765	6.4	0.765	7.9	1.025	9.8	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.182	22.0	0.906	18.0	0.749	28.0	$10 < f \leq 50$	8.000
11.00 a.m. - 12.00 p.m.	0.402	4.2	1.947	4.7	0.528	4.3	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.654	48.0	1.553	4.7	0.512	20.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.473	3.1	1.237	4.2	0.552	4.3	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.947	4.7	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 3, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/16
Sample Type : Vibration
Sampling Date : 23 - 24 April 2026
Received Date : 27 April 2026
Analytical Date : 27 - 29 April 2026
Report Date : 30 April 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.536	9.0	1.222	5.2	0.701	3.9	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.512	8.5	0.993	7.3	0.646	5.3	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.820	7.6	1.647	5.6	1.135	6.4	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.449	3.9	0.938	6.9	0.851	4.5	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.772	4.7	1.151	5.4	0.765	5.2	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.552	8.1	0.891	6.1	0.560	6.3	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.552	7.1	0.883	5.5	0.654	5.3	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	0.583	5.0	0.733	3.9	0.757	5.5	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.268	4.9	0.560	5.1	0.260	4.0	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	0.591	10.0	0.843	5.4	0.481	4.0	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.481	8.7	1.371	4.6	0.489	5.0	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.678	6.0	1.758	6.4	1.174	7.1	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.489	7.1	1.679	6.6	0.914	6.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	1.127	8.4	1.655	7.5	0.946	12.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.796	10.0	1.450	12.0	1.103	14.0	$10 < f \leq 50$	5.500
24 Hour Maximum	-	-	1.758	6.4	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/17
Sample Type : Vibration
Sampling Date : 24 - 25 April 2026
Received Date : 27 April 2026
Analytical Date : 27 April - 05 May 2026
Report Date : 06 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.441	4.7	0.962	5.6	0.765	4.9	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.418	5.1	1.025	4.6	0.536	3.3	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.544	5.8	0.985	6.0	0.733	7.2	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.512	7.8	1.371	5.2	0.757	4.8	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.788	7.8	1.387	5.3	0.709	5.5	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.410	4.2	1.269	5.7	0.449	4.2	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.481	5.8	1.647	4.9	0.489	3.5	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.449	5.6	1.608	5.7	0.520	5.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.567	4.8	1.301	5.6	0.654	5.4	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.552	6.9	1.285	6.5	0.536	7.4	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.489	5.1	0.906	4.9	0.686	3.8	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.647	4.9	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

นางสาว นิลนิตา นี้อำนาจธนวัฒน์ จำกัด

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/18
Sample Type : Vibration
Sampling Date : 25 - 26 April 2026
Received Date : 27 April 2026
Analytical Date : 27 April - 05 May 2026
Report Date : 06 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.646	4.5	1.088	8.5	0.964	8.3	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.678	7.8	1.088	4.6	0.552	6.8	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.512	4.9	0.914	4.7	0.694	4.7	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.709	11.0	1.561	5.1	0.985	13.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.914	12.0	1.135	10.0	0.615	5.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.623	8.3	0.867	5.9	0.497	7.0	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	0.481	7.8	0.828	11.0	0.504	21.0	$10 < f \leq 50$	5.250
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	0.410	5.2	0.741	6.0	0.528	4.4	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.561	5.1	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/19
Sample Type : Vibration
Sampling Date : 26 - 27 April 2026
Received Date : 28 April 2026
Analytical Date : 28 April - 05 May 2026
Report Date : 06 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	0.441	5.8	1.048	6.8	0.560	6.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.520	3.1	0.906	6.9	0.512	6.2	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.820	4.4	2.514	4.2	0.835	6.9	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.662	5.8	3.019	4.5	1.072	6.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	1.167	11.0	2.286	9.5	1.521	11.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	1.222	8.7	0.591	7.6	0.820	8.7	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.741	7.8	1.568	5.2	0.662	4.9	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.019	4.5	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec).
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/20
Sample Type : Vibration
Sampling Date : 27 - 28 April 2026
Received Date : 29 April 2026
Analytical Date : 29 April - 05 May 2026
Report Date : 06 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.324	12.0	2.041	5.9	1.537	9.1	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	2.057	6.5	4.871	5.9	2.325	5.3	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.781	8.1	2.633	7.5	1.529	8.0	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	1.285	14.0	1.836	6.8	1.758	14.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.560	5.4	1.584	4.7	1.442	5.3	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.536	9.0	1.632	5.1	0.560	7.4	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.457	7.4	1.332	7.0	0.662	7.3	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.481	4.1	1.576	4.5	0.512	3.9	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.497	3.3	1.040	4.6	0.457	5.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.315	5.8	1.151	4.0	0.441	3.7	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.378	5.9	0.575	4.4	1.167	12.0	$10 < f \leq 50$	5.500
24 Hour Maximum	-	-	4.871	5.9	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 s, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/21
Sample Type : Vibration
Sampling Date : 28 - 29 April 2026
Received Date : 30 April 2026
Analytical Date : 30 April - 05 May 2026
Report Date : 06 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.954	4.7	3.634	4.3	1.340	5.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	1.127	10.0	2.604	4.7	1.080	7.2	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.544	4.2	1.498	5.3	1.301	4.7	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	0.922	73.0	0.347	> 100	1.103	85.0	$f > 100$	20.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.741	5.6	4.233	4.9	1.813	6.4	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.725	4.7	1.474	5.3	0.686	5.6	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.646	4.3	2.774	4.3	1.750	4.3	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.591	9.5	1.308	4.8	0.985	6.9	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.441	12.0	1.442	7.6	0.993	8.8	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.694	6.6	2.428	4.5	1.450	5.1	$f \leq 10$	5.000
24 Hour Maximum	-	-	4.233	4.9	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 §, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

[Redacted Signature Area]

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชซินด์ซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/22
Sample Type : Vibration
Sampling Date : 29 - 30 April 2026
Received Date : 04 May 2026
Analytical Date : 04 - 05 May 2026
Report Date : 06 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.654	3.8	3.381	4.1	1.427	3.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.796	4.2	2.325	4.6	1.371	5.9	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.654	5.6	2.152	4.6	1.537	5.6	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.512	5.8	1.001	4.6	0.796	3.8	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.741	4.7	2.191	5.0	0.583	5.7	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.977	6.9	3.239	4.8	1.151	4.7	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.560	18.0	1.978	8.0	1.167	9.5	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.733	5.2	1.702	4.7	0.686	4.7	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.293	3.5	3.602	4.8	2.365	6.4	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.504	8.4	1.679	5.8	1.009	6.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.418	4.5	1.781	4.4	0.331	3.9	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.481	10.0	1.096	5.7	0.370	14.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.602	4.8	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 s, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/23
Sample Type : Vibration
Sampling Date : 30 April - 01 May 2026
Received Date : 04 May 2026
Analytical Date : 04 - 05 May 2026
Report Date : 06 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.426	12.0	1.017	4.4	0.851	7.9	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.504	3.9	1.167	5.4	0.851	6.4	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.520	5.0	1.419	5.3	1.096	5.8	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.701	6.2	1.427	4.8	0.899	4.2	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.820	6.9	1.253	6.7	1.040	8.8	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.599	12.0	1.151	7.6	0.914	5.9	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	0.481	4.8	1.040	4.3	0.504	4.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	0.418	4.7	1.009	4.8	0.465	5.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.427	4.8	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/2
Sample Type : Vibration
Sampling Date : 01 - 02 May 2026
Received Date : 04 May 2026
Analytical Date : 04 - 13 May 2026
Report Date : 14 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	0.512	7.9	0.473	8.5	0.315	4.0	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.623	3.5	0.788	5.4	0.709	4.3	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	0.434	9.5	1.064	5.6	1.017	6.2	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.465	16.0	1.206	13.0	0.914	7.9	$10 < f \leq 50$	5.750
10.00 a.m. - 11.00 a.m.	0.575	4.3	1.812	4.7	0.662	5.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.804	12.0	1.237	4.7	0.772	5.1	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.575	4.2	1.004	4.2	0.575	3.6	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.560	4.2	1.355	7.5	0.402	5.3	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.812	4.7	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 s, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec).
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

**TNP ENVIRONMENT CO.,LTD.**

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT**Data Provided by Customer**

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
 Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/3
 Sample Type : Vibration
 Sampling Date : 02 - 03 May 2026
 Received Date : 04 May 2026
 Analytical Date : 04 - 13 May 2026
 Report Date : 14 May 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.717	4.4	1.340	5.3	0.575	4.6	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.394	3.7	0.952	4.5	0.607	2.3	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.709	5.3	1.892	5.6	0.812	5.4	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.528	6.3	1.230	4.5	0.457	2.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.575	3.9	0.749	2.4	0.866	6.1	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.704	2.5	0.583	7.3	0.521	6.0	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.891	5.2	1.064	5.0	0.899	3.7	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	1.892	5.6	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273
E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/4
Sample Type : Vibration
Sampling Date : 03 - 04 May 2026
Received Date : 05 May 2026
Analytical Date : 05 - 13 May 2026
Report Date : 14 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	0.158	3.6	0.544	3.6	0.236	3.6	f ≤ 10	5.000
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	0.181	7.0	0.599	5.2	0.213	5.7	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.158	5.0	0.583	4.3	0.229	4.7	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	< 0.127	3.7	0.504	4.2	0.197	4.8	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.134	6.8	0.804	5.7	0.197	6.0	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	< 0.127	9.5	0.528	5.7	0.134	5.8	f ≤ 10	5.000
24 Hour Maximum	-	-	0.804	5.7	-	-	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 J, dated June 2 B.E. 2553 (2010)
Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/5
Sample Type : Vibration
Sampling Date : 04 - 05 May 2026
Received Date : 06 May 2026
Analytical Date : 06 - 13 May 2026
Report Date : 14 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.631	64.0	0.284	57.0	0.370	85.0	50 < f ≤ 100	16.400
03.00 p.m. - 04.00 p.m.	0.166	3.6	0.552	3.6	0.221	3.7	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	0.205	6.2	0.686	5.7	0.307	5.3	f ≤ 10	5.000
08.00 p.m. - 09.00 p.m.	< 0.127	4.9	0.512	3.5	0.236	3.6	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	0.150	5.2	0.536	4.0	0.205	4.2	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	0.197	6.4	0.497	3.3	0.205	3.2	f ≤ 10	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	0.229	3.8	0.504	3.2	0.363	3.0	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	0.386	73.0	0.252	> 100	0.552	64.0	50 < f ≤ 100	16.400
07.00 a.m. - 08.00 a.m.	0.386	8.0	0.631	7.6	0.418	10.0	f ≤ 10	5.000
08.00 a.m. - 09.00 a.m.	0.946	20.0	2.112	14.0	1.490	9.7	10 < f ≤ 50	6.000
09.00 a.m. - 10.00 a.m.	0.709	5.2	1.955	4.6	0.465	4.6	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.694	8.1	2.191	5.3	1.198	6.1	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.560	5.0	1.781	4.8	0.426	5.1	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	0.686	8.3	2.577	5.5	1.466	5.6	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	0.575	4.0	1.403	5.0	0.410	4.7	f ≤ 10	5.000
24 Hour Maximum	-	-	2.577	5.5	-	-	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)
Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/6
Sample Type : Vibration
Sampling Date : 05 - 06 May 2026
Received Date : 07 May 2026
Analytical Date : 07 - 13 May 2026
Report Date : 14 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.820	5.4	0.922	6.5	1.064	6.1	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.765	5.1	0.709	5.5	0.843	4.8	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.638	6.2	1.884	7.4	1.127	6.0	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.142	5.9	0.638	5.2	0.205	5.4	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	0.166	4.4	0.646	3.7	0.284	3.9	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	0.189	3.8	0.709	3.6	0.307	3.7	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	< 0.127	8.4	0.575	4.7	0.252	5.0	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	0.434	64.0	0.189	4.1	1.064	64.0	$50 < f \leq 100$	16.400
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.678	9.3	1.947	6.2	1.395	7.9	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.702	7.4	4.603	6.5	1.994	5.7	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	4.603	6.5	-	-	$f \leq 10$	5.000

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Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory



Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/7
Sample Type : Vibration
Sampling Date : 06 - 07 May 2026
Received Date : 08 May 2026
Analytical Date : 08 - 13 May 2026
Report Date : 14 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	0.638	3.6	1.348	4.6	0.575	4.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.757	4.4	1.253	4.5	0.520	4.1	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.780	4.3	1.371	4.7	0.670	9.3	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.607	4.1	1.119	4.2	0.504	4.9	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.189	6.9	0.520	5.7	0.205	6.4	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	0.260	12.0	0.631	12.0	0.181	14.0	$10 < f \leq 50$	5.500
05.00 a.m. - 06.00 a.m.	0.307	3.8	0.544	3.7	0.229	3.1	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.686	3.2	0.497	4.1	0.969	7.2	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.253	7.4	2.514	9.0	1.553	8.7	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.473	4.0	0.820	4.7	0.378	4.3	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.765	4.5	0.757	4.7	0.449	6.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	1.190	6.2	1.293	4.9	0.623	4.5	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.993	4.3	1.434	4.6	0.733	5.2	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.514	9.0	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/8
Sample Type : Vibration
Sampling Date : 07 - 08 May 2026
Received Date : 11 May 2026
Analytical Date : 11 - 13 May 2026
Report Date : 14 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.489	3.6	0.646	4.4	0.457	4.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.741	4.4	1.111	4.3	0.560	4.7	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.119	34.0	1.860	12.0	2.743	5.8	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	1.450	27.0	0.828	12.0	1.419	11.0	$10 < f \leq 50$	9.250
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	0.229	5.7	0.607	5.5	0.189	6.4	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.292	5.8	0.733	5.4	0.252	6.6	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	0.473	3.4	0.725	3.4	0.331	3.6	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	0.284	8.0	0.512	13.0	0.292	12.0	$10 < f \leq 50$	5.750
04.00 a.m. - 05.00 a.m.	0.244	11.0	0.552	12.0	0.205	13.0	$10 < f \leq 50$	5.500
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.481	6.5	1.048	8.8	0.426	9.1	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.387	6.3	2.246	6.6	0.583	4.2	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.402	4.3	0.843	5.1	0.339	3.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.638	4.3	1.245	4.8	0.457	2.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.473	6.9	1.316	7.8	0.599	4.5	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.733	18.0	0.591	5.3	0.962	14.0	$10 < f \leq 50$	6.000
24 Hour Maximum	-	-	-	-	2.743	5.8	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory



Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/9
Sample Type : Vibration
Sampling Date : 08 - 09 May 2026
Received Date : 11 May 2026
Analytical Date : 11 - 20 May 2026
Report Date : 21 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.497	3.5	0.765	5.7	0.418	3.5	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.922	4.6	1.174	4.9	0.536	4.4	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.749	3.8	1.301	6.5	0.441	4.7	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.725	4.3	1.119	4.8	0.520	4.5	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.394	6.0	0.804	5.6	0.292	6.2	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.434	5.3	0.646	5.6	0.355	3.8	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	1.001	8.3	1.040	11.0	1.490	8.8	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.244	4.5	0.520	4.3	0.166	5.0	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.236	5.5	0.512	3.9	0.158	3.4	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	0.276	4.4	0.560	4.3	0.150	4.3	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	0.552	57.0	0.497	21.0	1.025	30.0	$10 < f \leq 50$	10.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	1.143	16.0	1.710	16.0	1.687	9.1	$10 < f \leq 50$	6.500
09.00 a.m. - 10.00 a.m.	1.174	12.0	1.379	12.0	1.868	10.0	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.765	34.0	0.631	24.0	1.017	24.0	$10 < f \leq 50$	8.500
11.00 a.m. - 12.00 p.m.	1.277	27.0	0.938	34.0	1.214	14.0	$10 < f \leq 50$	9.250
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	-	-	1.868	10.0	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา จำกัด

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
 Project Name : โครงการ ฟील พลาซ่า 59 สเตชั่น
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/10
 Sample Type : Vibration
 Sampling Date : 09 - 10 May 2026
 Received Date : 11 May 2026
 Analytical Date : 11 - 20 May 2026
 Report Date : 21 May 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.694	4.8	0.930	4.2	0.434	4.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	1.127	5.3	1.033	6.4	0.891	6.1	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.906	6.5	1.663	7.5	0.646	3.8	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.205	39.0	0.205	10.0	0.552	14.0	$10 < f \leq 50$	6.000
06.00 p.m. - 07.00 p.m.	0.221	5.2	0.552	4.6	< 0.127	10.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.244	6.5	0.560	5.8	0.150	6.7	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	0.213	4.1	0.504	3.7	0.166	5.8	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	0.244	3.6	0.504	3.7	0.158	4.2	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	0.244	5.0	0.607	5.8	0.213	5.3	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.229	5.3	0.567	5.5	0.181	6.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.663	7.5	-	-	$f \leq 10$	5.000

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 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory



Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील เฟลล่า 59 สเตชั่น
(Phyll Phalon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/11
Sample Type : Vibration
Sampling Date : 10 - 11 May 2026
Received Date : 12 May 2026
Analytical Date : 12 - 20 May 2026
Report Date : 21 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	0.300	27.0	0.378	15.0	0.780	15.0	10 < f ≤ 50	6.250
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	0.244	6.8	0.528	6.2	0.150	6.4	f ≤ 10	5.000
06.00 p.m. - 07.00 p.m.	0.181	6.0	0.504	5.3	< 0.127	4.7	f ≤ 10	5.000
07.00 p.m. - 08.00 p.m.	0.268	6.0	0.638	5.7	0.229	6.2	f ≤ 10	5.000
08.00 p.m. - 09.00 p.m.	0.205	8.3	0.662	7.1	0.244	8.1	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	-	-	0.780	15.0	10 < f ≤ 50	6.250

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील เทลลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/12
Sample Type : Vibration
Sampling Date : 11 - 12 May 2026
Received Date : 13 May 2026
Analytical Date : 13 - 20 May 2026
Report Date : 21 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.615	5.7	0.670	4.7	0.473	5.6	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.378	4.0	0.936	5.8	0.429	3.7	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.402	4.6	0.701	5.0	0.426	6.2	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.906	8.7	0.457	12.0	0.749	6.9	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.623	4.5	0.922	5.2	0.426	4.3	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.646	4.3	0.772	6.0	0.426	5.3	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	0.497	3.2	0.733	5.2	0.394	3.5	$f \leq 10$	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.631	2.7	0.678	5.5	0.536	3.1	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.426	3.9	1.009	5.2	0.575	6.7	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.307	4.2	0.749	5.0	0.300	4.5	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.583	3.7	0.426	5.5	0.544	4.4	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.678	4.0	0.615	5.4	0.307	4.7	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.725	4.5	0.497	5.4	0.528	4.2	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.009	5.2	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200





Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/13
Sample Type : Vibration
Sampling Date : 12 - 13 May 2026
Received Date : 14 May 2026
Analytical Date : 14 - 20 May 2026
Report Date : 21 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.536	3.3	0.481	5.4	0.497	2.9	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.544	3.8	0.583	6.2	0.418	4.1	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.607	4.6	0.615	8.7	0.394	4.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	0.694	17.0	0.260	14.0	0.284	18.0	$10 < f \leq 50$	6.750
07.00 p.m. - 08.00 p.m.	0.189	6.1	0.560	5.6	0.142	7.1	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.260	6.4	0.631	6.0	0.229	6.9	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.221	6.6	0.528	5.7	0.181	5.8	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	0.347	3.7	0.804	3.7	0.268	4.0	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	0.347	28.0	0.300	11.0	0.567	16.0	$10 < f \leq 50$	6.500
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.946	43.0	1.167	27.0	0.985	57.0	$10 < f \leq 50$	9.250
09.00 a.m. - 10.00 a.m.	0.709	4.3	0.733	4.6	0.599	4.1	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.512	4.6	1.766	4.8	0.363	4.6	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	1.190	43.0	0.906	4.6	0.843	47.0	$10 < f \leq 50$	13.250
12.00 p.m. - 01.00 p.m.	0.694	10.0	1.545	9.7	0.583	4.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.631	4.1	0.662	13.0	0.473	32.0	$10 < f \leq 50$	5.750
24 Hour Maximum	-	-	1.766	4.8	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/14
Sample Type : Vibration
Sampling Date : 13 - 14 May 2026
Received Date : 15 May 2026
Analytical Date : 15 - 20 May 2026
Report Date : 21 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.977	3.7	0.512	4.9	0.575	4.5	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.300	4.8	0.749	5.2	0.282	3.8	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.497	3.8	0.965	5.5	0.375	2.9	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.528	3.6	0.662	5.6	0.347	4.1	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.772	4.9	0.599	4.2	0.536	5.6	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.528	3.9	0.481	7.3	0.741	7.3	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.631	3.6	0.591	4.3	0.481	4.8	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.615	4.2	0.646	4.1	0.473	3.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.560	4.4	1.096	5.1	0.497	5.1	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.394	3.7	0.930	4.9	0.512	4.1	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.536	3.3	0.820	4.6	0.402	3.3	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.096	5.1	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 3, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เข็มทรงพัฒนา เรซซิเด็นซ์ จำกัด
Project Name : โครงการ ฟิล พหลา 59 สเตชั่น
(Phyll Phalon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/15
Sample Type : Vibration
Sampling Date : 14 - 15 May 2026
Received Date : 18 May 2026
Analytical Date : 18 - 20 May 2026
Report Date : 21 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.899	4.1	0.441	5.0	0.441	5.4	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.347	3.3	0.623	6.1	0.339	3.7	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.473	3.8	0.591	6.7	0.441	4.6	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	1.190	19.0	0.899	34.0	0.859	39.0	$10 < f \leq 50$	7.250
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	0.284	5.8	0.631	5.7	0.189	5.7	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.244	3.7	0.504	3.6	0.260	6.2	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.646	4.7	1.001	5.3	0.418	4.8	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.504	3.4	0.828	4.9	0.583	5.3	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.623	4.0	0.670	4.9	0.363	4.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	1.198	6.2	2.459	6.4	0.749	4.7	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.544	3.1	0.662	6.3	0.497	3.7	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.544	6.2	1.324	6.6	0.418	3.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.459	6.4	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : T21A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/16
Sample Type : Vibration
Sampling Date : 15 - 16 May 2026
Received Date : 18 May 2026
Analytical Date : 18 - 27 May 2026
Report Date : 28 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.654	6.6	0.899	8.0	0.520	3.1	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.662	4.9	0.796	6.4	0.504	4.5	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.623	3.2	0.946	5.3	0.591	5.1	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.662	3.9	1.167	7.5	0.394	4.2	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.694	11.0	1.734	9.7	0.394	11.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.205	6.1	0.497	5.4	0.150	6.2	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.370	6.0	0.796	5.7	0.268	5.8	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.221	4.8	0.504	4.7	0.173	3.7	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.662	39.0	0.552	34.0	0.812	51.0	$50 < f \leq 100$	15.100
08.00 a.m. - 09.00 a.m.	0.560	6.7	0.591	6.6	0.828	3.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.127	9.3	2.601	9.3	0.544	4.7	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.544	3.5	1.135	7.1	0.899	9.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.575	4.4	1.064	4.4	0.575	3.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.828	6.6	1.702	7.9	0.465	6.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.780	3.7	1.056	4.1	0.465	4.4	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.601	9.3	-	-	$f \leq 10$	5.000

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Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
 Project Name : โครงการ ฟील พหลา 59 สเตชั่น
 (Phyll Phalon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/17
 Sample Type : Vibration
 Sampling Date : 16 - 17 May 2026
 Received Date : 18 May 2026
 Analytical Date : 18 - 27 May 2026
 Report Date : 28 May 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.607	6.2	0.922	4.4	0.528	4.7	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.481	43.0	0.441	34.0	1.017	12.0	$10 < f \leq 50$	5.500
04.00 p.m. - 05.00 p.m.	0.623	> 100	0.489	51.0	0.489	> 100	$f > 100$	20.000
05.00 p.m. - 06.00 p.m.	< 0.127	32.0	0.339	17.0	< 0.127	22.0	$10 < f \leq 50$	6.750
06.00 p.m. - 07.00 p.m.	1.159	> 100	0.906	> 100	1.293	> 100	$f > 100$	20.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.252	> 100	0.378	> 100	0.481	> 100	$f > 100$	20.000
09.00 p.m. - 10.00 p.m.	0.449	> 100	0.221	30.0	0.323	64.0	$f > 100$	20.000
10.00 p.m. - 11.00 p.m.	0.166	5.9	0.315	5.8	< 0.127	6.8	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	1.033	57.0	1.127	47.0	1.096	> 100	$10 < f \leq 50$	14.250
08.00 a.m. - 09.00 a.m.	1.907	> 100	1.529	> 100	1.750	> 100	$f > 100$	20.000
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	0.158	6.6	0.300	5.7	0.150	85.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	0.166	3.3	0.465	4.2	0.134	85.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.236	3.3	0.528	4.2	0.150	3.7	$f \leq 10$	5.000
24 Hour Maximum	1.907	> 100	-	-	-	-	$f > 100$	20.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/18
Sample Type : Vibration
Sampling Date : 17 - 18 May 2026
Received Date : 19 May 2026
Analytical Date : 19 - 27 May 2026
Report Date : 28 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.221	7.5	0.607	3.8	0.134	11.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.504	6.3	1.080	3.5	0.260	7.5	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	0.331	> 100	0.339	> 100	0.465	> 100	$f > 100$	20.000
06.00 p.m. - 07.00 p.m.	0.757	> 100	1.269	> 100	0.544	> 100	$f > 100$	20.000
07.00 p.m. - 08.00 p.m.	< 0.127	8.4	0.347	9.7	< 0.127	12.0	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.599	18.0	0.662	15.0	0.820	27.0	$10 < f \leq 50$	9.250
09.00 a.m. - 10.00 a.m.	0.449	13.0	0.623	7.5	0.788	8.8	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.804	9.3	0.891	7.0	0.615	5.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.851	4.8	0.820	4.3	0.631	5.2	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.686	9.5	0.954	12.0	0.654	6.2	$10 < f \leq 50$	5.500
01.00 p.m. - 02.00 p.m.	0.465	8.7	1.529	8.4	0.835	7.3	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.529	8.4	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/19
Sample Type : Vibration
Sampling Date : 18 - 19 May 2026
Received Date : 20 May 2026
Analytical Date : 20 - 27 May 2026
Report Date : 28 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.410	3.0	0.859	5.4	0.394	3.6	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.631	4.7	0.473	4.2	0.402	3.7	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.899	3.7	0.575	5.1	0.465	3.2	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.544	3.8	0.725	5.1	0.567	4.2	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.599	4.0	0.355	5.2	0.355	4.4	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.489	3.5	0.347	3.9	0.528	4.2	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.457	4.1	0.733	9.8	0.426	5.1	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.552	2.9	0.725	4.4	0.812	4.6	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.544	4.5	1.020	4.6	0.560	3.6	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.599	4.1	0.942	4.3	0.504	5.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.607	4.6	1.136	4.0	0.504	3.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.136	4.0	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69-4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory



Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/20
Sample Type : Vibration
Sampling Date : 19 - 20 May 2026
Received Date : 21 May 2026
Analytical Date : 21 - 27 May 2026
Report Date : 28 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.583	6.0	0.812	4.4	0.717	4.6	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.670	3.3	0.402	7.2	0.828	3.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.631	2.4	0.576	4.8	0.441	2.6	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.370	2.6	0.741	2.6	0.449	3.1	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.418	2.5	0.783	6.1	0.434	2.9	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.733	5.2	0.825	6.0	0.773	2.1	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.315	2.6	1.062	6.2	0.709	3.4	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.472	2.1	0.859	3.6	0.560	4.6	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.363	2.9	1.057	5.0	0.512	2.2	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.434	5.2	0.772	5.0	0.512	3.6	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.638	3.7	0.925	6.4	0.717	2.4	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.062	6.2	-	-	$f \leq 10$	5.000

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Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory



Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เข็มทรีพัฒนา เรซซิเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/21
Sample Type : Vibration
Sampling Date : 20 - 21 May 2026
Received Date : 22 May 2026
Analytical Date : 22 - 27 May 2026
Report Date : 28 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.859	3.2	0.638	5.1	0.347	4.3	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.536	3.2	0.504	12.0	0.796	7.1	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.504	4.4	0.788	4.3	0.386	3.7	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.749	6.0	0.828	5.7	0.583	4.7	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.820	3.3	0.520	4.4	0.339	4.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.670	3.4	0.307	6.9	0.449	4.1	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	0.315	6.1	0.749	5.7	0.268	6.2	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	0.331	4.7	0.646	3.7	0.315	3.8	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.765	27.0	0.315	26.0	0.725	13.0	$10 < f \leq 50$	9.250
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	1.025	39.0	0.544	37.0	0.701	43.0	$10 < f \leq 50$	12.250
09.00 a.m. - 10.00 a.m.	0.883	3.8	1.033	7.1	1.009	5.2	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.465	2.8	0.591	6.5	0.520	3.4	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.426	18.0	0.300	> 100	0.670	17.0	$10 < f \leq 50$	6.750
12.00 p.m. - 01.00 p.m.	0.883	9.5	1.159	7.9	0.709	8.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	1.159	7.9	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory
Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/22
Sample Type : Vibration
Sampling Date : 21 - 22 May 2026
Received Date : 23 May 2026
Analytical Date : 23 - 27 May 2026
Report Date : 28 May 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.418	4.4	0.646	4.2	0.323	4.2	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	1.001	11.0	2.625	9.1	0.780	9.3	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.544	4.3	0.867	4.6	0.441	4.2	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.599	4.1	0.670	4.4	0.418	4.3	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	0.410	6.5	0.717	6.2	0.244	7.5	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	0.828	37.0	0.292	5.1	0.497	28.0	$10 < f \leq 50$	11.750
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	1.048	43.0	0.465	28.0	1.253	39.0	$10 < f \leq 50$	12.250
08.00 a.m. - 09.00 a.m.	0.765	3.6	1.387	7.0	0.938	6.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.434	4.8	1.915	20.0	1.655	20.0	$10 < f \leq 50$	7.500
10.00 a.m. - 11.00 a.m.	0.646	3.5	1.253	4.7	0.631	4.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.599	6.1	1.356	7.9	0.843	7.5	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.394	5.1	0.867	5.3	0.615	5.3	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	1.379	13.0	1.364	7.4	1.167	17.0	$10 < f \leq 50$	5.750
24 Hour Maximum	-	-	2.625	9.1	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 §, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील เฟลล่า 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/23
Sample Type : Vibration
Sampling Date : 22 - 23 May 2026
Received Date : 25 May 2026
Analytical Date : 25 May - 04 June 2026
Report Date : 05 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.465	8.7	1.529	8.4	0.835	7.3	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.899	3.7	0.575	5.1	0.465	3.2	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.851	39.0	0.402	> 100	0.938	16.0	$10 < f \leq 50$	6.500
05.00 p.m. - 06.00 p.m.	0.544	3.2	0.686	6.0	1.269	6.6	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.678	4.3	1.127	5.0	0.749	4.8	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.780	3.1	0.552	4.3	0.426	4.7	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.276	3.8	0.560	3.5	0.236	3.7	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	0.292	3.5	0.520	3.4	0.260	3.6	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.465	3.5	0.623	6.2	0.709	4.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.567	3.0	0.749	5.0	0.426	3.4	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.056	6.0	1.876	6.2	0.906	6.9	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.883	7.8	1.561	7.6	0.497	8.1	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.977	51.0	0.292	7.0	0.749	47.0	$50 < f \leq 100$	15.100
01.00 p.m. - 02.00 p.m.	0.631	3.9	1.017	4.8	0.512	4.2	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.876	6.2	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พลาซ่า 59 สดชื่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/24
Sample Type : Vibration
Sampling Date : 23 - 24 May 2026
Received Date : 25 May 2026
Analytical Date : 25 May - 04 June 2026
Report Date : 05 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.851	10.0	2.341	9.3	0.694	9.3	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.631	10.0	0.969	8.1	0.741	8.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.694	3.7	0.300	5.6	0.315	4.6	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	1.222	7.4	1.316	9.5	1.056	7.8	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.229	5.6	0.497	5.8	0.260	8.1	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	0.765	34.0	0.284	3.6	0.946	32.0	$10 < f \leq 50$	10.500
10.00 a.m. - 11.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	1.561	12.0	0.757	14.0	0.985	12.0	$10 < f \leq 50$	5.500
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	2.341	9.3	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 3, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชื้อนทรีพัฒนา เรซิดเ็นซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/25
Sample Type : Vibration
Sampling Date : 24 - 25 May 2026
Received Date : 26 May 2026
Analytical Date : 26 May - 04 June 2026
Report Date : 05 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	0.347	6.2	0.717	6.2	0.276	7.2	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	1.710	47.0	0.875	64.0	1.963	32.0	10 < f ≤ 50	10.500
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.985	6.2	0.544	7.9	0.575	4.6	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	1.474	15.0	1.600	11.0	1.048	15.0	10 < f ≤ 50	5.250
10.00 a.m. - 11.00 a.m.	0.363	5.9	0.899	5.6	0.418	4.2	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.954	3.6	0.709	7.5	0.623	5.6	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	0.583	3.4	0.678	4.8	0.528	4.7	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	0.536	3.6	0.402	5.0	0.678	3.8	f ≤ 10	5.000
24 Hour Maximum	-	-	-	-	1.963	32.0	10 < f ≤ 50	10.500

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เชื้อนทรีพัฒนา เรซซิ่ง จำกัด
 Project Name : โครงการ ฟील เฟลล่า 59 สเตชั่น
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/26
 Sample Type : Vibration
 Sampling Date : 25 - 26 May 2026
 Received Date : 27 May 2026
 Analytical Date : 27 May - 04 June 2026
 Report Date : 05 June 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.812	7.9	0.993	8.3	1.182	9.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.654	11.0	1.332	12.0	0.678	7.2	$10 < f \leq 50$	5.500
04.00 p.m. - 05.00 p.m.	0.906	3.7	0.615	4.6	0.512	3.2	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.946	3.1	0.426	6.3	0.457	4.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	0.410	6.5	0.623	6.7	0.260	7.0	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.410	39.0	0.252	30.0	0.922	47.0	$10 < f \leq 50$	14.250
09.00 a.m. - 10.00 a.m.	0.725	2.9	1.285	7.5	1.167	6.9	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.072	4.6	0.670	6.7	0.733	7.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.591	4.2	0.678	5.8	0.457	5.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.575	4.5	0.473	4.7	0.717	20.0	$10 < f \leq 50$	7.500
01.00 p.m. - 02.00 p.m.	0.347	3.4	0.694	9.8	0.512	7.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.332	12.0	-	-	$10 < f \leq 50$	5.500

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory





TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phalon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/27
Sample Type : Vibration
Sampling Date : 26 - 27 May 2026
Received Date : 28 May 2026
Analytical Date : 28 May - 04 June 2026
Report Date : 05 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.536	3.6	0.749	5.8	0.410	4.3	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.465	5.2	0.875	4.7	0.363	3.4	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.426	4.5	0.859	5.7	0.528	3.8	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.733	4.5	0.197	4.4	0.347	3.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	1.151	< 1.0	0.788	11.0	0.922	12.0	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.339	6.2	0.772	5.8	0.244	6.4	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.654	43.0	0.560	64.0	1.277	47.0	$10 < f \leq 50$	14.250
08.00 a.m. - 09.00 a.m.	0.969	11.0	2.041	6.9	0.457	6.1	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.631	4.6	0.426	6.7	0.899	4.8	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.356	6.5	2.262	6.0	0.701	2.8	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.504	4.1	0.922	4.5	0.363	4.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	0.347	4.7	0.820	4.7	0.370	5.1	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.262	6.0	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชจิดันซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/28
Sample Type : Vibration
Sampling Date : 27 - 28 May 2026
Received Date : 29 May 2026
Analytical Date : 29 May - 04 June 2026
Report Date : 05 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.418	5.0	0.670	5.3	0.489	5.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.260	3.4	0.229	3.8	0.560	3.8	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.631	5.3	0.615	7.8	0.733	5.2	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.899	28.0	0.457	22.0	1.135	47.0	$10 < f \leq 50$	14.250
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	2.034	< 1.0	1.048	9.5	0.820	11.0	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.181	5.0	0.504	4.6	< 0.127	4.7	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	0.449	64.0	0.378	37.0	0.717	47.0	$10 < f \leq 50$	14.250
06.00 a.m. - 07.00 a.m.	0.623	85.0	0.323	19.0	0.694	51.0	$50 < f \leq 100$	15.100
07.00 a.m. - 08.00 a.m.	1.080	9.7	1.159	8.4	0.402	12.0	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	0.701	4.6	0.378	6.2	0.512	4.3	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.151	43.0	0.292	51.0	0.828	23.0	$10 < f \leq 50$	13.250
10.00 a.m. - 11.00 a.m.	0.717	3.1	0.323	6.7	0.394	4.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.638	37.0	0.410	51.0	1.261	9.5	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	1.009	8.7	0.820	6.4	0.615	7.5	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.473	3.5	0.339	7.3	0.504	3.6	$f \leq 10$	5.000
24 Hour Maximum	2.034	< 1.0	-	-	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz

Model and Serial No. : 721A2601 and S/N UM22200

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/29
Sample Type : Vibration
Sampling Date : 28 - 29 May 2026
Received Date : 01 June 2026
Analytical Date : 01 - 04 June 2026
Report Date : 05 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.575	20.0	0.434	32.0	1.198	14.0	10 < f ≤ 50	6.000
03.00 p.m. - 04.00 p.m.	0.268	6.3	0.504	6.2	0.158	10.0	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	0.623	4.5	0.347	4.3	0.449	6.7	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.370	6.2	0.741	5.2	0.189	5.8	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	0.347	4.0	0.646	4.2	0.244	3.4	f ≤ 10	5.000
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	0.268	3.6	0.583	4.0	0.236	3.5	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	0.205	6.3	0.512	5.3	0.134	7.9	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	1.490	12.0	1.190	12.0	2.711	9.7	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	2.585	< 1.0	0.812	12.0	2.262	< 1.0	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.788	5.2	1.182	5.5	0.441	7.1	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.497	3.1	0.725	4.7	0.410	5.1	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	0.473	3.2	0.410	6.2	0.662	2.9	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	0.552	5.0	0.780	4.5	0.575	4.7	f ≤ 10	5.000
24 Hour Maximum	-	-	-	-	2.711	9.7	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010). Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/30
Sample Type : Vibration
Sampling Date : 29 - 30 May 2026
Received Date : 01 June 2026
Analytical Date : 01 - 05 June 2026
Report Date : 08 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.457	5.5	1.040	7.4	0.434	6.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.623	11.0	0.536	15.0	1.237	43.0	$10 < f \leq 50$	13.250
04.00 p.m. - 05.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	0.205	6.2	0.615	5.8	0.213	6.7	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.300	5.1	0.741	5.2	0.205	5.7	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	0.307	6.3	0.599	6.4	0.197	8.1	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.780	30.0	1.671	22.0	2.341	21.0	$10 < f \leq 50$	7.750
09.00 a.m. - 10.00 a.m.	0.646	85.0	0.686	> 100	0.765	85.0	$50 < f \leq 100$	18.500
10.00 a.m. - 11.00 a.m.	0.536	9.0	0.954	8.7	0.410	13.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	2.522	7.0	1.198	7.5	0.583	5.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	1.434	11.0	1.576	13.0	0.528	3.9	$10 < f \leq 50$	5.750
01.00 p.m. - 02.00 p.m.	1.482	26.0	2.286	5.7	0.875	4.7	$f \leq 10$	5.000
24 Hour Maximum	2.522	7.0	-	-	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory
Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
 Project Name : โครงการ ฟील พหลา 59 สเตชั่น
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/31
 Sample Type : Vibration
 Sampling Date : 30 - 31 May 2026
 Received Date : 01 June 2026
 Analytical Date : 01 - 05 June 2026
 Report Date : 08 June 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.482	< 1.0	2.948	43.0	0.709	< 1.0	10 < f ≤ 50	13.250
03.00 p.m. - 04.00 p.m.	0.426	5.1	2.593	6.6	0.213	5.6	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	0.386	> 100	2.711	> 100	0.292	> 100	f > 100	20.000
05.00 p.m. - 06.00 p.m.	0.300	85.0	2.562	73.0	0.197	> 100	50 < f ≤ 100	17.300
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	< 0.127	64.0	1.033	64.0	< 0.127	73.0	50 < f ≤ 100	16.400
08.00 p.m. - 09.00 p.m.	0.481	< 1.0	0.638	4.7	0.670	< 1.0	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	0.158	4.0	1.080	> 100	< 0.127	3.5	f > 100	20.000
10.00 p.m. - 11.00 p.m.	0.166	3.7	0.804	3.9	< 0.127	3.8	f ≤ 10	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	0.213	3.3	1.151	3.7	0.189	3.8	f ≤ 10	5.000
01.00 a.m. - 02.00 a.m.	0.189	3.2	0.654	3.5	< 0.127	3.4	f ≤ 10	5.000
02.00 a.m. - 03.00 a.m.	0.166	> 100	0.969	85.0	< 0.127	85.0	50 < f ≤ 100	18.500
03.00 a.m. - 04.00 a.m.	< 0.127	6.8	0.922	4.6	< 0.127	6.6	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	< 0.127	6.2	0.631	4.6	< 0.127	11.0	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	0.252	3.2	0.772	3.7	0.244	2.8	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	< 0.127	6.5	0.623	5.4	< 0.127	5.4	f ≤ 10	5.000
07.00 a.m. - 08.00 a.m.	0.158	5.8	0.772	4.7	< 0.127	5.5	f ≤ 10	5.000
08.00 a.m. - 09.00 a.m.	0.252	51.0	1.348	64.0	0.402	47.0	50 < f ≤ 100	16.400
09.00 a.m. - 10.00 a.m.	< 0.127	5.0	0.812	3.9	< 0.127	3.6	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.142	3.7	0.583	3.4	< 0.127	3.9	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.142	3.6	0.922	3.9	< 0.127	4.3	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	< 0.127	6.2	1.040	4.6	< 0.127	7.6	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	< 0.127	6.8	0.914	6.2	0.158	7.1	f ≤ 10	5.000
24 Hour Maximum	-	-	2.948	43.0	-	-	10 < f ≤ 50	13.250

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 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
 (Phyll Phalon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/32
Sample Type : Vibration
Sampling Date : 31 May - 01 June 2026
Received Date : 02 June 2026
Analytical Date : 02 - 05 June 2026
Report Date : 08 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.378	> 100	1.364	> 100	0.268	> 100	f > 100	20.000
03.00 p.m. - 04.00 p.m.	0.173	3.8	0.875	3.6	< 0.127	3.6	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	< 0.127	4.4	0.694	3.9	< 0.127	7.0	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	0.142	4.3	0.883	3.8	< 0.127	3.6	f ≤ 10	5.000
06.00 p.m. - 07.00 p.m.	0.197	3.6	0.828	3.5	0.173	3.4	f ≤ 10	5.000
07.00 p.m. - 08.00 p.m.	< 0.127	3.9	0.662	3.7	< 0.127	4.0	f ≤ 10	5.000
08.00 p.m. - 09.00 p.m.	< 0.127	5.6	0.662	4.1	< 0.127	7.4	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	0.213	3.7	0.772	3.3	0.142	3.4	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	0.173	3.0	0.725	3.8	< 0.127	4.4	f ≤ 10	5.000
11.00 p.m. - 12.00 a.m.	< 0.127	6.4	0.725	4.5	< 0.127	6.0	f ≤ 10	5.000
12.00 a.m. - 01.00 a.m.	0.181	3.5	0.780	3.5	0.134	3.8	f ≤ 10	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	0.150	3.2	0.812	3.5	0.158	3.5	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	0.134	> 100	0.805	73.0	0.229	64.0	50 < f ≤ 100	17.300
05.00 a.m. - 06.00 a.m.	< 0.127	4.0	0.560	4.6	< 0.127	4.6	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	0.166	3.4	0.780	3.7	0.142	3.4	f ≤ 10	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	0.835	> 100	3.050	> 100	0.607	> 100	f > 100	20.000
10.00 a.m. - 11.00 a.m.	0.512	> 100	3.358	85.0	0.457	> 100	50 < f ≤ 100	18.500
11.00 a.m. - 12.00 p.m.	< 0.127	85.0	1.167	> 100	0.197	> 100	f > 100	20.000
12.00 p.m. - 01.00 p.m.	0.173	> 100	1.285	12.0	0.197	> 100	10 < f ≤ 50	5.500
01.00 p.m. - 02.00 p.m.	0.134	> 100	1.852	47.0	0.181	73.0	10 < f ≤ 50	14.250
24 Hour Maximum	-	-	3.358	85.0	-	-	50 < f ≤ 100	18.500

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/2
Sample Type : Vibration
Sampling Date : 01 - 02 June 2026
Received Date : 04 June 2026
Analytical Date : 04 - 10 June 2026
Report Date : 11 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.158	3.7	0.623	3.4	< 0.127	5.3	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	< 0.127	73.0	0.749	> 100	< 0.127	> 100	$f > 100$	20.000
04.00 p.m. - 05.00 p.m.	0.189	3.4	0.820	3.5	< 0.127	3.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.213	3.0	0.788	3.7	< 0.127	3.3	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.355	> 100	1.718	> 100	0.166	> 100	$f > 100$	20.000
07.00 p.m. - 08.00 p.m.	0.363	> 100	1.064	> 100	0.244	> 100	$f > 100$	20.000
08.00 p.m. - 09.00 p.m.	0.166	3.8	0.843	3.4	< 0.127	5.1	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.205	> 100	0.678	> 100	0.158	> 100	$f > 100$	20.000
10.00 p.m. - 11.00 p.m.	< 0.127	6.7	0.741	6.1	< 0.127	7.1	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	0.205	3.5	0.914	3.7	1.420	3.6	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	< 0.127	4.1	0.891	3.9	< 0.127	5.6	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	0.244	3.3	0.922	3.7	< 0.127	4.0	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	< 0.127	3.4	0.646	5.1	< 0.127	3.8	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	0.244	3.1	0.694	3.1	0.134	3.1	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	< 0.127	5.8	0.985	4.3	< 0.127	4.2	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	0.158	7.9	0.765	5.6	< 0.127	2.9	$f \leq 10$	5.000
07.00 a.m. - 08.00 a.m.	< 0.127	5.9	0.741	4.2	< 0.127	8.7	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	0.292	3.8	1.048	4.9	0.307	3.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.331	> 100	2.451	4.1	0.205	> 100	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.260	3.1	1.017	4.2	0.276	3.3	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.244	3.3	0.828	4.8	0.252	3.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.355	2.8	1.025	4.9	0.378	3.2	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.363	3.7	1.253	4.6	0.284	3.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.451	4.1	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 3, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชัน
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/3
Sample Type : Vibration
Sampling Date : 02 - 03 June 2026
Received Date : 04 June 2026
Analytical Date : 04 - 10 June 2026
Report Date : 11 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.213	4.2	1.096	4.5	0.189	2.6	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.331	3.2	1.222	5.2	0.229	4.9	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.284	3.5	0.772	4.1	0.331	3.8	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.363	5.9	1.892	5.3	0.213	4.1	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	< 0.127	4.7	0.686	3.8	< 0.127	4.2	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	< 0.127	4.5	0.599	3.5	< 0.127	3.6	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.166	6.1	0.725	5.4	< 0.127	6.3	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.418	3.8	1.632	6.5	0.300	2.5	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	0.402	4.1	1.498	5.0	0.260	4.1	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	0.197	> 100	0.780	> 100	0.142	5.7	$f > 100$	20.000
12.00 a.m. - 01.00 a.m.	0.150	3.3	0.725	4.8	< 0.127	6.3	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	0.134	6.3	0.812	4.7	< 0.127	6.8	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	0.142	5.2	0.954	4.6	< 0.127	8.1	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	0.158	3.9	0.906	3.6	< 0.127	3.4	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	0.142	3.6	0.686	5.0	< 0.127	6.9	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.221	5.6	1.182	4.9	0.158	5.4	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	< 0.127	9.3	0.520	4.2	< 0.127	4.7	$f \leq 10$	5.000
07.00 a.m. - 08.00 a.m.	< 0.127	8.3	0.591	5.1	< 0.127	10.0	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	< 0.127	4.5	0.646	4.0	< 0.127	4.5	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	< 0.127	6.4	0.875	5.3	0.158	6.2	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.173	3.2	0.536	3.6	< 0.127	6.6	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.166	3.9	0.788	3.6	< 0.127	4.7	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	< 0.127	8.4	0.575	5.7	< 0.127	7.3	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.181	5.4	0.962	5.0	< 0.127	6.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.892	5.3	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/4
Sample Type : Vibration
Sampling Date : 03 - 04 June 2026
Received Date : 05 June 2026
Analytical Date : 05 - 10 June 2026
Report Date : 11 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.252	> 100	1.568	> 100	0.260	> 100	f > 100	20.000
03.00 p.m. - 04.00 p.m.	0.173	3.7	0.875	3.9	0.142	3.1	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	0.244	> 100	1.001	> 100	0.158	> 100	f > 100	20.000
05.00 p.m. - 06.00 p.m.	0.142	3.7	1.103	3.9	< 0.127	4.1	f ≤ 10	5.000
06.00 p.m. - 07.00 p.m.	0.173	3.2	0.859	5.6	0.150	6.9	f ≤ 10	5.000
07.00 p.m. - 08.00 p.m.	0.166	5.8	0.725	5.2	< 0.127	6.2	f ≤ 10	5.000
08.00 p.m. - 09.00 p.m.	< 0.127	4.5	0.867	3.7	< 0.127	4.3	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	0.252	3.6	0.796	3.4	0.181	3.3	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	6.0	0.646	4.6	< 0.127	8.3	f ≤ 10	5.000
11.00 p.m. - 12.00 a.m.	< 0.127	4.3	0.583	3.9	< 0.127	5.2	f ≤ 10	5.000
12.00 a.m. - 01.00 a.m.	0.142	3.3	0.520	4.7	< 0.127	6.4	f ≤ 10	5.000
01.00 a.m. - 02.00 a.m.	0.142	3.4	0.599	3.5	< 0.127	4.2	f ≤ 10	5.000
02.00 a.m. - 03.00 a.m.	< 0.127	6.3	0.599	6.3	< 0.127	6.4	f ≤ 10	5.000
03.00 a.m. - 04.00 a.m.	< 0.127	7.5	0.749	3.8	< 0.127	4.3	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	< 0.127	5.3	0.694	3.8	0.158	3.7	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	< 0.127	7.4	0.552	4.7	< 0.127	7.2	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	< 0.127	> 100	0.859	34.0	< 0.127	24.0	10 < f ≤ 50	11.000
08.00 a.m. - 09.00 a.m.	< 0.127	> 100	0.891	73.0	< 0.127	> 100	50 < f ≤ 100	17.300
09.00 a.m. - 10.00 a.m.	0.221	6.2	0.820	5.7	< 0.127	6.4	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	1.340	9.8	3.050	12.0	0.268	37.0	10 < f ≤ 50	5.500
11.00 a.m. - 12.00 p.m.	0.686	7.4	3.310	6.7	0.244	9.7	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	0.173	5.6	0.899	5.6	0.134	5.8	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	0.347	6.2	1.466	6.0	0.173	5.2	f ≤ 10	5.000
24 Hour Maximum	-	-	3.310	6.7	-	-	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรสซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชัน
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/5
Sample Type : Vibration
Sampling Date : 04 - 05 June 2026
Received Date : 08 June 2026
Analytical Date : 08 - 10 June 2026
Report Date : 11 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	< 0.127	7.4	0.662	4.9	< 0.127	5.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.284	7.9	1.261	5.0	0.197	4.2	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.181	> 100	1.734	5.1	0.166	> 100	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.158	85.0	1.348	57.0	0.150	85.0	$50 < f \leq 100$	15.700
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	< 0.127	7.9	0.583	5.4	< 0.127	15.0	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.229	3.4	1.127	3.7	0.134	3.7	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.134	5.7	0.820	4.9	< 0.127	6.0	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	0.205	3.8	1.048	3.6	0.134	3.6	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	0.229	3.4	0.820	3.6	< 0.127	4.1	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	< 0.127	5.0	0.725	3.8	< 0.127	4.5	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	0.213	3.5	0.796	3.5	< 0.127	4.3	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	0.284	3.4	0.701	3.3	0.197	3.2	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	0.181	3.7	0.812	3.9	0.142	3.6	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	< 0.127	> 100	0.788	> 100	< 0.127	> 100	$f > 100$	20.000
05.00 a.m. - 06.00 a.m.	< 0.127	3.5	0.654	3.5	< 0.127	3.9	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	< 0.127	> 100	1.001	> 100	< 0.127	> 100	$f > 100$	20.000
07.00 a.m. - 08.00 a.m.	0.166	> 100	1.860	> 100	0.150	> 100	$f > 100$	20.000
08.00 a.m. - 09.00 a.m.	0.315	5.7	2.026	6.3	0.221	11.0	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	3.066	13.0	2.372	4.4	3.689	11.0	$10 < f \leq 50$	5.250
10.00 a.m. - 11.00 a.m.	< 0.127	> 100	1.608	> 100	0.236	1.0	$f > 100$	20.000
11.00 a.m. - 12.00 p.m.	0.236	5.0	4.327	5.3	0.402	3.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	2.877	12.0	1.892	4.7	3.665	23.0	$10 < f \leq 50$	8.250
01.00 p.m. - 02.00 p.m.	0.276	57.0	2.688	5.3	0.434	4.5	$f \leq 10$	5.000
24 Hour Maximum	-	-	4.327	5.3	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/6
Sample Type : Vibration
Sampling Date : 05 - 06 June 2026
Received Date : 08 June 2026
Analytical Date : 08 - 17 June 2026
Report Date : 18 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.450	4.9	4.902	5.2	0.867	5.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.252	4.3	1.285	4.8	0.260	> 100	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.166	4.2	1.088	4.5	0.150	4.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	< 0.127	3.3	0.528	3.4	0.134	3.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.166	> 100	0.599	> 100	0.268	85.0	$f > 100$	20.000
07.00 p.m. - 08.00 p.m.	< 0.127	4.1	0.646	3.7	< 0.127	5.1	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.181	3.5	1.009	3.5	0.181	3.4	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.221	3.2	1.174	3.6	0.197	3.3	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	4.0	0.780	4.0	< 0.127	3.8	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	0.213	3.8	0.946	3.6	0.134	3.9	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	< 0.127	3.4	0.977	4.0	< 0.127	5.1	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	0.221	3.8	1.190	3.8	0.181	3.8	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	0.181	3.7	0.694	3.7	0.158	3.8	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	0.197	3.0	0.615	3.8	0.142	3.8	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.181	2.8	0.765	4.0	< 0.127	6.0	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	0.386	> 100	0.725	> 100	0.363	> 100	$f > 100$	20.000
07.00 a.m. - 08.00 a.m.	0.205	4.4	0.946	4.6	< 0.127	5.0	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	0.300	4.2	3.342	7.1	0.607	3.5	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	1.403	> 100	0.954	3.1	0.883	> 100	$f > 100$	20.000
10.00 a.m. - 11.00 a.m.	< 0.127	3.8	0.843	3.9	0.134	3.6	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.410	4.8	2.625	6.6	0.268	4.6	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.315	4.5	4.445	4.6	0.284	4.7	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.339	3.0	1.844	4.3	0.236	5.1	$f \leq 10$	5.000
24 Hour Maximum	-	-	4.902	5.2	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชซิเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : 569047
Sample No. : 569047/7
Sample Type : Vibration
Sampling Date : 06 - 07 June 2026
Received Date : 08 June 2026
Analytical Date : 08 - 17 June 2026
Report Date : 18 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.221	4.0	1.190	4.7	< 0.127	4.4	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.205	4.6	1.710	5.1	0.197	5.8	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.536	> 100	1.750	20.0	0.560	> 100	$10 < f \leq 50$	7.500
05.00 p.m. - 06.00 p.m.	< 0.127	3.2	0.969	3.6	0.244	3.2	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	< 0.127	2.5	1.174	3.5	0.221	3.2	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	< 0.127	5.9	0.765	6.0	0.173	5.8	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.173	3.6	1.127	3.8	0.189	3.7	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	< 0.127	3.3	0.654	3.7	0.150	3.6	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	3.8	0.788	3.4	0.166	3.3	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	< 0.127	4.2	0.662	3.3	0.166	3.4	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	< 0.127	4.0	0.623	3.6	< 0.127	4.7	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	< 0.127	3.6	0.575	3.3	0.142	3.4	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	0.173	3.3	0.749	3.6	0.142	4.1	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	< 0.127	6.0	0.623	4.1	< 0.127	5.1	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	< 0.127	4.6	0.575	4.3	< 0.127	4.7	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	< 0.127	6.6	0.536	4.1	< 0.127	4.1	$f \leq 10$	5.000
07.00 a.m. - 08.00 a.m.	< 0.127	4.2	1.096	3.5	0.213	3.7	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	< 0.127	7.3	0.757	5.4	< 0.127	6.3	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.166	3.4	0.607	3.3	0.150	3.3	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	< 0.127	3.7	0.804	3.9	0.150	2.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	< 0.127	5.3	0.741	4.7	< 0.127	5.6	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.158	3.5	0.701	3.6	< 0.127	4.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	< 0.127	3.7	0.835	3.6	0.142	3.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.750	20.0	-	-	$10 < f \leq 50$	7.500

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Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory



Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/8
Sample Type : Vibration
Sampling Date : 07 - 08 June 2026
Received Date : 09 June 2026
Analytical Date : 09 - 17 June 2026
Report Date : 18 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	< 0.127	4.2	0.804	3.8	< 0.127	4.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.158	3.8	1.119	3.6	0.205	3.6	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	< 0.127	4.6	0.638	3.8	0.142	2.8	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	< 0.127	4.3	0.804	3.7	< 0.127	4.3	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	< 0.127	4.7	0.709	4.0	< 0.127	4.1	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	< 0.127	3.5	0.504	4.9	< 0.127	3.7	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	< 0.127	4.1	0.646	3.6	< 0.127	3.9	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	5.3	1.111	5.1	0.150	6.0	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	< 0.127	7.8	0.843	4.5	< 0.127	4.6	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	< 0.127	2.3	0.583	4.2	< 0.127	5.6	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	< 0.127	4.3	0.725	3.8	< 0.127	5.8	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	< 0.127	4.0	0.607	4.9	< 0.127	6.2	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	< 0.127	7.4	0.567	4.4	< 0.127	5.5	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	0.142	3.5	1.072	3.5	0.229	4.0	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	< 0.127	3.9	0.591	4.0	< 0.127	3.7	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	< 0.127	> 100	0.567	43.0	0.189	34.0	$10 < f \leq 50$	13.250
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.229	3.7	0.670	5.0	0.189	3.4	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 a.m. - 11.00 a.m.	0.134	4.0	0.899	3.6	0.205	3.7	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.300	3.3	1.001	3.4	0.276	3.3	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.575	> 100	1.789	64.0	0.457	> 100	$50 < f \leq 100$	16.400
01.00 p.m. - 02.00 p.m.	0.166	3.6	0.631	4.8	< 0.127	6.2	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.789	64.0	-	-	$50 < f \leq 100$	16.400

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/9
Sample Type : Vibration
Sampling Date : 08 - 09 June 2026
Received Date : 10 June 2026
Analytical Date : 10 - 17 June 2026
Report Date : 18 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.158	3.4	0.977	4.1	0.166	4.5	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.181	4.2	1.040	4.2	0.300	3.9	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.166	4.3	0.851	4.4	0.166	5.3	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	< 0.127	6.0	0.591	4.7	0.166	2.4	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	0.172	3.8	0.733	3.5	0.229	4.9	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	< 0.127	3.8	0.749	4.3	0.205	3.1	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	< 0.127	4.9	0.859	3.9	0.134	3.8	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	4.5	0.701	3.7	0.158	3.4	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	< 0.127	3.6	1.135	3.7	0.197	3.6	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	< 0.127	21.0	0.552	4.0	< 0.127	9.5	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	0.150	3.3	0.575	3.3	0.173	3.2	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	0.221	3.2	0.914	3.4	0.229	3.3	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	0.150	3.6	0.954	3.7	0.213	3.3	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	< 0.127	5.8	0.765	3.5	0.142	3.6	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	< 0.127	> 100	0.528	26.0	< 0.127	> 100	$10 < f \leq 50$	9.000
08.00 a.m. - 09.00 a.m.	< 0.127	10.0	0.638	4.8	0.150	4.7	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	< 0.127	4.9	1.789	4.5	0.370	4.0	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.638	> 100	2.940	85.0	1.206	> 100	$50 < f \leq 100$	18.500
11.00 a.m. - 12.00 p.m.	0.276	> 100	1.395	57.0	0.520	> 100	$50 < f \leq 100$	15.700
12.00 p.m. - 01.00 p.m.	< 0.127	2.0	0.757	3.7	0.158	3.5	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.229	4.1	1.411	4.5	0.189	5.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.940	85.0	-	-	$50 < f \leq 100$	18.500

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/10
Sample Type : Vibration
Sampling Date : 09 - 10 June 2026
Received Date : 11 June 2026
Analytical Date : 11 - 17 June 2026
Report Date : 18 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.583	> 100	0.481	47.0	1.127	> 100	f > 100	20.000
03.00 p.m. - 04.00 p.m.	< 0.127	4.7	0.512	3.2	< 0.127	3.8	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	0.158	4.2	1.174	4.7	< 0.127	5.4	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	0.221	4.1	1.025	5.5	0.244	4.7	f ≤ 10	5.000
06.00 p.m. - 07.00 p.m.	0.166	4.1	1.119	5.0	0.197	4.2	f ≤ 10	5.000
07.00 p.m. - 08.00 p.m.	0.181	3.6	0.899	6.4	< 0.127	5.6	f ≤ 10	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	< 0.127	4.9	0.646	3.8	< 0.127	4.6	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	< 0.127	4.3	0.820	4.2	< 0.127	5.2	f ≤ 10	5.000
12.00 a.m. - 01.00 a.m.	< 0.127	6.0	0.536	3.8	< 0.127	3.2	f ≤ 10	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	< 0.127	7.3	0.536	4.5	< 0.127	8.3	f ≤ 10	5.000
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	< 0.127	4.8	0.497	3.7	< 0.127	4.9	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	< 0.127	3.9	0.528	4.8	< 0.127	4.5	f ≤ 10	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.134	4.1	1.220	4.7	0.197	5.7	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	0.158	5.3	1.182	4.5	0.173	6.5	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.189	5.0	1.679	4.5	0.150	4.7	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.260	4.6	1.663	4.8	0.252	5.6	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	0.457	> 100	1.427	4.6	0.300	43.0	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	0.292	22.0	1.332	11.0	0.229	5.8	10 < f ≤ 50	5.250
24 Hour Maximum	-	-	1.679	4.5	-	-	f ≤ 10	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/11
Sample Type : Vibration
Sampling Date : 10 - 11 June 2026
Received Date : 12 June 2026
Analytical Date : 12 - 17 June 2026
Report Date : 18 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.315	> 100	1.545	6.4	0.292	4.7	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.166	3.7	0.575	3.7	< 0.127	6.2	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.379	64.0	0.244	> 100	1.080	47.0	$50 < f \leq 100$	16.400
05.00 p.m. - 06.00 p.m.	< 0.127	4.4	0.796	3.7	< 0.127	5.9	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	< 0.127	3.3	0.875	3.5	0.181	3.4	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.142	3.7	0.969	3.7	0.150	3.5	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	6.0	0.788	5.2	0.166	5.5	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	< 0.127	3.6	0.757	3.6	0.142	4.1	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	0.142	4.0	0.930	3.5	0.166	3.3	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	0.181	3.3	0.796	3.6	0.142	3.7	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	< 0.127	4.3	0.812	4.0	0.134	3.3	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	< 0.127	3.9	0.843	3.2	0.236	3.0	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	0.150	3.4	0.812	3.4	0.197	3.5	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.197	3.8	0.985	4.3	0.221	3.6	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	0.725	> 100	3.460	64.0	0.859	> 100	$50 < f \leq 100$	16.400
07.00 a.m. - 08.00 a.m.	0.497	> 100	2.790	73.0	1.001	> 100	$50 < f \leq 100$	17.300
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	0.922	> 100	1.907	> 100	0.276	> 100	$f > 100$	20.000
10.00 a.m. - 11.00 a.m.	0.449	3.0	1.411	4.8	0.213	2.6	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.449	> 100	1.056	> 100	0.260	> 100	$f > 100$	20.000
12.00 p.m. - 01.00 p.m.	< 0.127	3.4	0.845	3.3	0.221	3.5	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.300	3.8	2.506	5.4	0.300	4.7	$f \leq 10$	5.000
24 Hour Maximum	-	-	3.460	64.0	-	-	$50 < f \leq 100$	16.400

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/12
Sample Type : Vibration
Sampling Date : 11 - 12 June 2026
Received Date : 15 June 2026
Analytical Date : 15 - 17 June 2026
Report Date : 18 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.378	3.0	1.608	5.2	0.197	5.8	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.528	3.1	0.347	3.6	0.142	2.5	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.402	> 100	1.923	22.0	0.694	> 100	$10 < f \leq 50$	8.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.166	1.9	0.717	4.2	< 0.127	6.0	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	< 0.127	3.6	0.623	4.0	0.134	3.3	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	3.8	0.631	3.4	< 0.127	4.0	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	< 0.127	5.4	0.914	5.5	0.173	5.4	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	< 0.127	4.3	0.780	3.9	< 0.127	3.9	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.181	3.8	1.245	3.7	0.205	3.6	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	< 0.127	3.5	0.709	3.3	0.173	3.3	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	< 0.127	3.8	0.765	3.7	0.158	4.1	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.158	3.4	0.922	3.7	0.181	4.0	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.363	> 100	0.166	> 100	0.765	> 100	$f > 100$	20.000
08.00 a.m. - 09.00 a.m.	0.330	3.2	0.623	3.3	0.323	2.6	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.197	5.8	1.356	5.9	0.150	6.4	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.181	4.2	1.379	5.7	0.221	5.1	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.544	> 100	1.450	64.0	0.418	> 100	$50 < f \leq 100$	16.400
12.00 p.m. - 01.00 p.m.	0.197	5.7	2.041	5.6	0.221	6.6	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.378	85.0	1.616	5.6	0.378	43.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.041	5.6	-	-	$f \leq 10$	5.000

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
 Project Name : โครงการ ฟील พหลา 59 สเตชั่น
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/13
 Sample Type : Vibration
 Sampling Date : 12 - 13 June 2026
 Received Date : 15 June 2026
 Analytical Date : 15 - 24 June 2026
 Report Date : 25 June 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.828	> 100	1.324	11.0	0.473	> 100	10 < f ≤ 50	5.250
03.00 p.m. - 04.00 p.m.	0.166	8.7	1.442	6.0	0.236	47.0	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	0.244	7.6	1.902	5.6	0.300	6.6	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	0.213	4.0	1.553	5.4	0.292	4.1	f ≤ 10	5.000
06.00 p.m. - 07.00 p.m.	0.166	4.2	1.450	5.2	0.189	2.5	f ≤ 10	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	< 0.127	3.1	0.583	2.9	0.370	2.7	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	< 0.127	4.1	0.875	4.5	0.134	3.1	f ≤ 10	5.000
11.00 p.m. - 12.00 a.m.	< 0.127	> 100	0.757	4.1	< 0.127	5.2	f ≤ 10	5.000
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	< 0.127	4.5	0.662	3.3	0.142	3.5	f ≤ 10	5.000
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	< 0.127	4.3	0.599	4.0	< 0.127	5.1	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.137	4.1	0.883	3.9	< 0.127	4.5	f ≤ 10	5.000
08.00 a.m. - 09.00 a.m.	0.300	6.6	1.781	6.0	0.236	9.5	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	0.173	6.0	1.324	5.4	0.236	4.9	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.181	6.3	1.797	6.0	0.292	5.3	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.229	3.9	1.253	4.8	0.252	4.3	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	0.181	6.1	1.072	6.6	0.221	7.3	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	0.134	6.0	1.151	4.7	0.142	4.7	f ≤ 10	5.000
24 Hour Maximum	-	-	1.902	5.6	-	-	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 s, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory



Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/14
Sample Type : Vibration
Sampling Date : 13 - 14 June 2026
Received Date : 15 June 2026
Analytical Date : 15 - 24 June 2026
Report Date : 25 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 p.m. - 04.00 p.m.	0.260	3.4	1.978	5.5	0.205	7.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.512	> 100	2.349	5.4	1.576	> 100	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.134	4.1	0.883	3.9	< 0.127	4.5	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	< 0.127	4.1	1.103	3.7	< 0.127	3.9	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.134	3.7	0.851	3.5	0.142	3.6	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	< 0.127	3.9	0.528	4.8	< 0.127	4.5	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	4.7	0.922	3.4	0.213	3.2	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	0.142	3.6	0.922	3.7	0.150	3.3	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	0.166	3.5	0.977	3.3	0.221	3.7	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	< 0.127	4.1	0.591	4.0	0.150	3.5	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	< 0.127	7.3	0.528	4.3	< 0.127	11.0	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	< 0.127	4.2	0.520	3.8	< 0.127	6.2	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	< 0.127	3.8	0.567	3.8	< 0.127	6.2	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	< 0.127	3.8	0.820	3.6	0.142	3.3	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	< 0.127	12.0	0.701	3.5	0.205	3.1	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	< 0.127	4.5	0.646	3.8	< 0.127	3.8	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	< 0.127	3.3	0.733	3.7	0.197	3.1	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.134	3.7	1.253	3.4	0.276	3.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	< 0.127	3.6	0.701	3.3	0.173	3.3	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	< 0.127	4.8	0.812	3.9	< 0.127	4.6	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	< 0.127	3.2	0.851	3.5	0.213	3.6	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.349	5.4	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/15
Sample Type : Vibration
Sampling Date : 14 - 15 June 2026
Received Date : 16 June 2026
Analytical Date : 16 - 24 June 2026
Report Date : 25 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	< 0.127	3.7	0.607	3.4	0.173	3.1	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	< 0.127	5.4	0.536	3.7	< 0.127	2.8	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	< 0.127	2.1	0.536	2.4	0.166	3.8	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	0.150	5.6	0.607	5.6	< 0.127	6.4	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	< 0.127	2.1	0.583	3.7	0.150	3.5	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	7.0	0.765	4.9	< 0.127	7.6	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	< 0.127	6.3	0.686	5.2	< 0.127	6.2	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	< 0.127	7.6	0.475	4.8	< 0.127	5.8	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	< 0.127	2.7	0.615	5.1	< 0.127	8.0	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	< 0.127	3.0	0.560	3.4	0.166	3.2	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	0.670	2.5	1.158	3.6	0.268	4.2	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.899	32.0	0.552	38.0	0.497	22.0	$10 < f \leq 50$	10.500
11.00 a.m. - 12.00 p.m.	0.331	73.0	0.749	30.0	0.244	3.7	$10 < f \leq 50$	10.000
12.00 p.m. - 01.00 p.m.	0.969	73.0	0.867	57.0	0.402	85.0	$50 < f \leq 100$	17.300
01.00 p.m. - 02.00 p.m.	0.946	73.0	0.670	85.0	0.747	73.0	$50 < f \leq 100$	17.300
24 Hour Maximum	-	-	1.158	3.6	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา จำกัด

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/16
Sample Type : Vibration
Sampling Date : 15 - 16 June 2026
Received Date : 17 June 2026
Analytical Date : 17 - 24 June 2026
Report Date : 25 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.040	64.0	0.528	> 100	0.284	85.0	50 < f ≤ 100	16.400
03.00 p.m. - 04.00 p.m.	1.718	57.0	0.552	85.0	0.457	85.0	50 < f ≤ 100	15.700
04.00 p.m. - 05.00 p.m.	0.236	20.0	0.804	10.0	0.173	14.0	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	1.025	57.0	0.631	57.0	0.370	57.0	50 < f ≤ 100	15.700
06.00 p.m. - 07.00 p.m.	0.946	73.0	0.686	> 100	0.307	73.0	50 < f ≤ 100	17.300
07.00 p.m. - 08.00 p.m.	0.946	64.0	0.951	30.0	0.441	64.0	10 < f ≤ 50	10.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.181	7.5	0.344	2.6	0.158	2.9	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	0.134	3.2	0.357	4.2	0.150	4.2	f ≤ 10	5.000
01.00 a.m. - 02.00 a.m.	0.236	11.0	0.576	9.8	0.166	3.7	f ≤ 10	5.000
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	< 0.127	3.9	0.512	3.4	< 0.127	8.1	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	0.221	8.5	0.504	7.2	0.150	3.6	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.694	64.0	0.339	64.0	0.221	64.0	50 < f ≤ 100	16.400
09.00 a.m. - 10.00 a.m.	1.789	73.0	0.985	> 100	0.670	32.0	50 < f ≤ 100	17.300
10.00 a.m. - 11.00 a.m.	1.025	73.0	0.386	85.0	0.236	73.0	50 < f ≤ 100	17.300
11.00 a.m. - 12.00 p.m.	0.899	57.0	0.363	57.0	0.528	51.0	50 < f ≤ 100	15.700
12.00 p.m. - 01.00 p.m.	0.867	> 100	1.151	> 100	0.307	73.0	f > 100	20.000
01.00 p.m. - 02.00 p.m.	1.403	73.0	0.504	85.0	0.599	51.0	50 < f ≤ 100	17.300
24 Hour Maximum	1.789	73.0	-	-	-	-	50 < f ≤ 100	17.300

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010). Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
 Project Name : โครงการ ฟิล พหลฯ 59 สเตชัน
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/17
 Sample Type : Vibration
 Sampling Date : 16 - 17 June 2026
 Received Date : 18 June 2026
 Analytical Date : 18 - 24 June 2026
 Report Date : 25 June 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.482	73.0	0.686	28.0	0.575	64.0	50 < f ≤ 100	17.300
03.00 p.m. - 04.00 p.m.	0.804	85.0	0.489	> 100	0.473	57.0	50 < f ≤ 100	18.500
04.00 p.m. - 05.00 p.m.	1.277	85.0	1.379	> 100	0.780	73.0	f > 100	20.000
05.00 p.m. - 06.00 p.m.	1.340	73.0	0.717	> 100	0.646	85.0	50 < f ≤ 100	17.300
06.00 p.m. - 07.00 p.m.	0.670	64.0	0.205	39.0	0.631	51.0	50 < f ≤ 100	16.400
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.402	64.0	0.205	37.0	0.599	57.0	50 < f ≤ 100	15.700
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	< 0.127	4.6	0.607	4.5	< 0.127	4.4	f ≤ 10	5.000
11.00 p.m. - 12.00 a.m.	< 0.127	4.8	0.560	4.0	< 0.127	4.6	f ≤ 10	5.000
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	< 0.127	4.0	0.623	3.6	< 0.127	4.7	f ≤ 10	5.000
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	< 0.127	7.0	0.528	3.5	0.142	3.0	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	< 0.127	3.6	0.575	3.3	0.142	3.4	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.173	3.3	0.749	3.6	0.142	4.1	f ≤ 10	5.000
08.00 a.m. - 09.00 a.m.	0.449	> 100	1.040	> 100	0.449	> 100	f > 100	20.000
09.00 a.m. - 10.00 a.m.	1.600	73.0	0.662	73.0	0.686	64.0	50 < f ≤ 100	17.300
10.00 a.m. - 11.00 a.m.	0.678	85.0	0.481	43.0	0.426	85.0	50 < f ≤ 100	18.500
11.00 a.m. - 12.00 p.m.	1.387	85.0	0.867	85.0	0.678	57.0	50 < f ≤ 100	18.500
12.00 p.m. - 01.00 p.m.	0.922	85.0	0.363	85.0	0.481	85.0	50 < f ≤ 100	18.500
01.00 p.m. - 02.00 p.m.	1.829	51.0	0.765	22.0	0.772	51.0	50 < f ≤ 100	15.100
24 Hour Maximum	1.829	51.0	-	-	-	-	50 < f ≤ 100	15.100

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory



Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
 Project Name : โครงการ ฟิล พหลา 59 สเตชัน
 (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
 กรุงเทพมหานคร
 Sampling Point : พื้นที่โครงการ
 GPS. Coordinate : 47 P 672913 E 1535288 N
 Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/18
 Sample Type : Vibration
 Sampling Date : 17 - 18 June 2026
 Received Date : 19 June 2026
 Analytical Date : 19 - 24 June 2026
 Report Date : 25 June 2026
 Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.757	47.0	0.465	28.0	1.151	43.0	10 < f ≤ 50	13.250
03.00 p.m. - 04.00 p.m.	0.891	30.0	0.788	21.0	0.749	51.0	10 < f ≤ 50	10.000
04.00 p.m. - 05.00 p.m.	1.017	85.0	1.001	> 100	0.654	73.0	50 < f ≤ 100	18.500
05.00 p.m. - 06.00 p.m.	1.277	64.0	1.781	> 100	0.906	64.0	f > 100	20.000
06.00 p.m. - 07.00 p.m.	0.536	> 100	0.859	> 100	0.292	> 100	f > 100	20.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	< 0.127	8.8	0.497	3.9	< 0.127	3.9	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	< 0.127	6.0	0.623	4.1	< 0.127	5.1	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	< 0.127	9.8	0.591	5.1	< 0.127	11.0	f ≤ 10	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	< 0.127	4.6	0.575	4.3	< 0.127	4.8	f ≤ 10	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	< 0.127	5.9	0.528	5.0	0.134	6.5	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	< 0.127	6.6	0.536	4.1	< 0.127	4.1	f ≤ 10	5.000
07.00 a.m. - 08.00 a.m.	< 0.127	3.0	0.560	5.3	< 0.127	7.4	f ≤ 10	5.000
08.00 a.m. - 09.00 a.m.	0.504	73.0	0.969	> 100	0.615	73.0	f > 100	20.000
09.00 a.m. - 10.00 a.m.	1.127	> 100	0.701	85.0	0.504	57.0	f > 100	20.000
10.00 a.m. - 11.00 a.m.	0.402	12.0	0.851	10.0	0.300	12.0	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	1.237	73.0	0.867	> 100	0.244	64.0	50 < f ≤ 100	17.300
12.00 p.m. - 01.00 p.m.	0.252	13.0	1.009	6.1	0.236	7.1	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	0.820	85.0	0.788	> 100	0.221	85.0	50 < f ≤ 100	18.500
24 Hour Maximum	-	-	1.781	> 100	-	-	f > 100	20.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
 PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
 Model and Serial No. : 721A2601 and 5/N UM22200

Reviewed Signatory

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/19
Sample Type : Vibration
Sampling Date : 18 - 19 June 2026
Received Date : 22 June 2026
Analytical Date : 22 - 24 June 2026
Report Date : 25 June 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.954	> 100	1.017	> 100	0.363	> 100	f > 100	20.000
03.00 p.m. - 04.00 p.m.	0.914	85.0	0.276	5.8	0.158	51.0	50 < f ≤ 100	18.500
04.00 p.m. - 05.00 p.m.	1.009	73.0	0.796	85.0	0.229	37.0	50 < f ≤ 100	17.300
05.00 p.m. - 06.00 p.m.	0.567	> 100	0.780	> 100	0.347	> 100	f > 100	20.000
06.00 p.m. - 07.00 p.m.	0.985	85.0	1.127	85.0	0.520	85.0	50 < f ≤ 100	18.500
07.00 p.m. - 08.00 p.m.	0.875	> 100	0.851	> 100	0.457	> 100	f > 100	20.000
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	< 0.127	5.8	0.528	5.1	< 0.127	7.8	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	< 0.127	7.3	0.557	5.4	< 0.127	6.3	f ≤ 10	5.000
12.00 a.m. - 01.00 a.m.	< 0.127	5.9	0.504	3.9	< 0.127	4.7	f ≤ 10	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	< 0.127	6.4	0.528	4.5	< 0.127	6.0	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	< 0.127	2.1	0.497	5.3	< 0.127	6.2	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	0.166	3.4	0.607	3.3	0.150	3.3	f ≤ 10	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.741	85.0	0.954	> 100	0.363	64.0	f > 100	20.000
09.00 a.m. - 10.00 a.m.	0.481	> 100	1.198	> 100	0.300	> 100	f > 100	20.000
10.00 a.m. - 11.00 a.m.	0.757	> 100	1.180	> 100	0.434	> 100	f > 100	20.000
11.00 a.m. - 12.00 p.m.	2.168	64.0	0.686	> 100	0.654	39.0	50 < f ≤ 100	16.400
12.00 p.m. - 01.00 p.m.	0.962	85.0	0.678	> 100	0.363	73.0	50 < f ≤ 100	18.500
01.00 p.m. - 02.00 p.m.	1.466	32.0	1.151	> 100	0.386	39.0	10 < f ≤ 50	10.500
24 Hour Maximum	2.168	64.0	-	-	-	-	50 < f ≤ 100	16.400

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory



Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชัน
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/20
Sample Type : Vibration
Sampling Date : 19 - 20 June 2026
Received Date : 22 June 2026
Analytical Date : 22 June - 01 July 2026
Report Date : 02 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.616	> 100	1.174	> 100	0.512	51.0	$f > 100$	20.000
03.00 p.m. - 04.00 p.m.	1.025	73.0	0.441	85.0	0.300	64.0	$50 < f \leq 100$	17.300
04.00 p.m. - 05.00 p.m.	1.245	85.0	1.561	> 100	0.591	85.0	$f > 100$	20.000
05.00 p.m. - 06.00 p.m.	0.843	57.0	1.009	85.0	0.875	34.0	$50 < f \leq 100$	18.500
06.00 p.m. - 07.00 p.m.	1.726	47.0	1.080	24.0	1.198	37.0	$10 < f \leq 50$	14.250
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	< 0.127	3.9	0.591	3.2	0.181	3.4	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	0.236	2.8	0.528	3.2	0.229	2.8	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	< 0.127	3.4	0.567	4.4	< 0.127	4.2	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.166	3.3	0.757	3.4	0.181	3.7	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	0.158	2.8	0.757	3.4	0.166	3.2	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.142	3.1	0.560	3.7	< 0.127	3.2	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	0.150	3.5	0.780	3.5	0.166	3.6	$f \leq 10$	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.325	4.2	0.951	3.8	0.421	4.0	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.158	3.8	1.247	3.6	0.205	3.6	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.204	5.2	1.695	3.2	0.150	6.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.219	5.2	0.849	6.2	0.351	2.7	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.142	2.0	1.103	3.5	0.229	6.0	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.134	4.0	1.384	2.5	0.205	3.7	$f \leq 10$	5.000
24 Hour Maximum	1.726	47.0	-	-	-	-	$10 < f \leq 50$	14.250

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/21
Sample Type : Vibration
Sampling Date : 20 - 21 June 2026
Received Date : 22 June 2026
Analytical Date : 22 June - 01 July 2026
Report Date : 02 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.324	> 100	2.034	> 100	0.489	73.0	f > 100	20.000
03.00 p.m. - 04.00 p.m.	0.418	85.0	0.788	> 100	0.244	> 100	f > 100	20.000
04.00 p.m. - 05.00 p.m.	1.214	73.0	0.331	85.0	0.347	73.0	50 < f ≤ 100	17.300
05.00 p.m. - 06.00 p.m.	0.158	4.2	0.717	3.9	0.229	4.1	f ≤ 10	5.000
06.00 p.m. - 07.00 p.m.	0.205	11.0	0.536	5.6	0.307	7.0	f ≤ 10	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.134	9.3	0.662	4.1	0.173	3.6	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	0.363	5.7	0.899	5.7	0.418	5.8	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	0.173	13.0	0.607	4.0	0.221	4.5	f ≤ 10	5.000
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	0.221	8.5	0.504	7.2	0.150	6.2	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	0.181	4.3	0.843	3.4	0.347	3.3	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	0.315	9.5	0.694	9.5	0.158	11.0	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	0.189	9.5	0.552	5.0	0.181	5.7	f ≤ 10	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	0.300	4.8	0.741	7.4	0.355	6.7	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.221	3.7	0.741	3.7	0.315	3.4	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 p.m. - 01.00 p.m.	0.181	5.8	0.812	3.9	0.221	4.1	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	2.034	> 100	-	-	f > 100	20.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mmv/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เจ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/22
Sample Type : Vibration
Sampling Date : 21 - 22 June 2026
Received Date : 23 June 2026
Analytical Date : 23 June - 01 July 2026
Report Date : 02 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.142	4.8	0.796	3.8	0.386	4.2	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	0.142	7.5	0.560	3.8	0.197	3.9	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.236	7.2	0.654	6.0	0.323	6.9	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.300	6.9	0.820	6.0	0.465	6.0	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.339	11.0	0.796	9.3	0.205	10.0	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.229	6.0	0.497	4.7	0.244	6.6	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	0.229	6.7	0.520	6.2	0.158	11.0	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	0.205	3.5	0.875	3.5	0.300	3.6	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	0.229	13.0	0.536	5.4	0.173	11.0	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	0.236	14.0	0.544	3.6	0.197	3.5	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	0.189	12.0	0.520	4.2	0.197	5.9	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.268	3.8	0.741	4.3	0.252	5.6	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	0.323	4.3	0.544	39.0	0.370	37.0	$10 < f \leq 50$	12.250
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.402	57.0	0.954	57.0	0.394	57.0	$50 < f \leq 100$	15.700
09.00 a.m. - 10.00 a.m.	0.244	3.7	0.512	4.4	0.315	6.0	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.343	6.7	0.859	5.8	0.891	6.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.386	5.4	0.623	5.6	0.315	4.1	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.434	34.0	0.694	28.0	0.426	17.0	$10 < f \leq 50$	9.500
01.00 p.m. - 02.00 p.m.	0.197	4.0	0.938	85.0	0.355	> 100	$50 < f \leq 100$	18.500
24 Hour Maximum	-	-	0.954	57.0	-	-	$50 < f \leq 100$	15.700

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 J, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/23
Sample Type : Vibration
Sampling Date : 22 - 23 June 2026
Received Date : 24 June 2026
Analytical Date : 24 June - 01 July 2026
Report Date : 02 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.828	37.0	0.977	37.0	0.171	32.0	10 < f ≤ 50	11.750
03.00 p.m. - 04.00 p.m.	0.457	39.0	0.701	57.0	0.260	6.0	50 < f ≤ 100	15.700
04.00 p.m. - 05.00 p.m.	0.211	7.2	0.402	7.3	0.567	6.3	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	1.679	37.0	1.766	64.0	1.340	22.0	50 < f ≤ 100	16.400
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.323	6.1	1.009	5.8	0.512	6.0	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	0.158	8.0	0.560	5.8	0.213	4.7	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	0.236	8.8	0.560	5.7	0.284	7.0	f ≤ 10	5.000
11.00 p.m. - 12.00 a.m.	0.252	18.0	0.631	5.7	0.166	18.0	f ≤ 10	5.000
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	0.315	10.0	0.891	7.8	0.158	5.7	f ≤ 10	5.000
02.00 a.m. - 03.00 a.m.	0.173	6.6	0.512	4.8	0.158	4.9	f ≤ 10	5.000
03.00 a.m. - 04.00 a.m.	0.260	9.1	0.623	5.9	0.292	6.6	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	0.236	12.0	0.646	4.3	0.205	6.2	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	0.221	4.0	1.182	4.0	0.284	4.1	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	1.568	64.0	3.563	73.0	0.481	57.0	50 < f ≤ 100	17.300
09.00 a.m. - 10.00 a.m.	1.151	57.0	2.743	64.0	0.993	51.0	50 < f ≤ 100	16.400
10.00 a.m. - 11.00 a.m.	0.899	24.0	1.498	37.0	1.553	37.0	10 < f ≤ 50	11.750
11.00 a.m. - 12.00 p.m.	0.583	> 100	1.868	> 100	0.717	37.0	f > 100	20.000
12.00 p.m. - 01.00 p.m.	0.520	64.0	1.411	57.0	0.489	57.0	50 < f ≤ 100	15.700
01.00 p.m. - 02.00 p.m.	2.034	9.0	1.766	5.3	1.805	11.0	f ≤ 10	5.000
24 Hour Maximum	-	-	3.563	73.0	-	-	50 < f ≤ 100	17.300

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/24
Sample Type : Vibration
Sampling Date : 23 - 24 June 2026
Received Date : 25 June 2026
Analytical Date : 25 June - 01 July 2026
Report Date : 02 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	2.010	12.0	3.082	15.0	4.682	10.0	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.930	6.2	2.372	11.0	1.505	12.0	$10 < f \leq 50$	5.250
04.00 p.m. - 05.00 p.m.	1.190	4.5	4.272	6.9	2.751	3.8	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.662	3.3	1.206	7.8	1.103	3.0	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.378	39.0	0.536	57.0	0.386	32.0	$50 < f \leq 100$	15.700
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	0.205	6.0	0.575	5.2	0.173	5.9	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	< 0.127	4.8	0.544	4.5	0.181	4.6	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	0.166	13.0	0.497	4.9	0.181	6.6	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.221	12.0	0.875	4.4	0.236	4.6	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	0.173	9.0	0.544	3.8	0.181	4.5	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	0.347	5.3	0.701	4.1	0.418	6.0	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.252	6.8	0.954	4.4	0.268	3.5	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.899	8.3	3.381	11.0	2.215	9.8	$10 < f \leq 50$	5.250
09.00 a.m. - 10.00 a.m.	0.969	4.5	0.638	6.8	1.482	4.1	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	1.316	6.1	2.372	6.2	1.135	11.0	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.276	5.4	0.694	5.4	0.307	6.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.339	51.0	0.623	16.0	0.236	10.0	$10 < f \leq 50$	6.500
01.00 p.m. - 02.00 p.m.	0.434	6.0	1.127	5.8	0.520	6.1	$f \leq 10$	5.000
24 Hour Maximum	-	-	-	-	4.682	10.0	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา จำกัด

Approved Signatory

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/25
Sample Type : Vibration
Sampling Date : 24 - 25 June 2026
Received Date : 26 June 2026
Analytical Date : 26 June - 01 July 2026
Report Date : 02 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.591	22.0	0.717	39.0	0.599	27.0	10 < f ≤ 50	12.250
03.00 p.m. - 04.00 p.m.	3.208	47.0	5.407	73.0	1.687	73.0	50 < f ≤ 100	17.300
04.00 p.m. - 05.00 p.m.	0.418	12.0	0.709	14.0	0.835	5.2	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	0.765	5.3	0.906	4.6	1.174	7.8	f ≤ 10	5.000
06.00 p.m. - 07.00 p.m.	0.985	7.8	1.364	12.0	1.844	10.0	f ≤ 10	5.000
07.00 p.m. - 08.00 p.m.	0.205	9.3	0.599	4.0	0.173	4.5	f ≤ 10	5.000
08.00 p.m. - 09.00 p.m.	0.260	5.6	0.583	6.2	0.244	7.2	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	0.166	14.0	0.567	3.6	0.181	4.1	f ≤ 10	5.000
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.236	11.0	0.591	4.5	0.173	7.8	f ≤ 10	5.000
03.00 a.m. - 04.00 a.m.	0.197	5.2	0.544	3.8	0.205	3.3	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	0.150	5.1	0.623	4.0	0.181	4.2	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	0.229	8.5	0.670	4.1	0.252	5.6	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	0.276	10.0	0.623	9.5	< 0.127	8.5	f ≤ 10	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.544	12.0	0.662	7.3	0.820	7.8	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	1.608	22.0	3.641	20.0	1.742	15.0	10 < f ≤ 50	7.500
10.00 a.m. - 11.00 a.m.	1.466	17.0	2.664	17.0	2.404	16.0	10 < f ≤ 50	6.750
11.00 a.m. - 12.00 p.m.	0.851	15.0	1.348	9.3	1.277	4.9	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	0.347	6.2	0.717	5.6	0.197	10.0	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	1.316	18.0	0.780	20.0	0.993	18.0	10 < f ≤ 50	7.000
24 Hour Maximum	-	-	5.407	73.0	-	-	50 < f ≤ 100	17.300

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

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PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/26
Sample Type : Vibration
Sampling Date : 25 - 26 June 2026
Received Date : 29 June 2026
Analytical Date : 29 June - 01 July 2026
Report Date : 02 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.725	6.0	0.300	7.6	0.434	9.7	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.828	6.0	0.323	8.8	0.457	8.4	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.080	7.2	0.646	13.0	0.489	4.9	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	1.143	7.2	0.315	9.3	0.418	8.1	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	0.355	6.1	0.765	5.0	0.244	5.8	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.205	7.3	0.520	5.1	0.252	6.2	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.197	8.0	0.662	5.0	0.197	4.9	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	0.331	17.0	0.583	3.6	0.229	4.2	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	0.197	11.0	0.623	3.7	0.260	6.8	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	0.229	4.6	0.623	4.2	0.189	5.9	$f \leq 10$	5.000
01.00 a.m. - 02.00 a.m.	0.252	8.5	0.512	7.3	0.158	10.0	$f \leq 10$	5.000
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	0.347	11.0	0.812	4.1	0.252	4.9	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	0.213	6.9	0.851	3.6	0.221	3.9	$f \leq 10$	5.000
05.00 a.m. - 06.00 a.m.	0.244	4.7	0.504	4.2	0.331	4.3	$f \leq 10$	5.000
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.772	57.0	2.491	57.0	1.545	47.0	$50 < f \leq 100$	15.700
08.00 a.m. - 09.00 a.m.	0.725	11.0	0.654	11.0	0.694	4.7	$10 < f \leq 50$	5.250
09.00 a.m. - 10.00 a.m.	0.323	5.5	0.946	6.0	0.583	6.0	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.780	6.0	0.599	12.0	0.646	7.2	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.780	7.6	0.709	10.0	0.552	11.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.221	8.8	0.560	4.4	0.213	5.1	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.410	8.4	0.859	5.6	0.560	6.9	$f \leq 10$	5.000
24 Hour Maximum	-	-	2.491	57.0	-	-	$50 < f \leq 100$	15.700

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

นายวิชาญ วัฒนศิริกุล

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील เฟลล่า 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/27
Sample Type : Vibration
Sampling Date : 26 - 27 June 2026
Received Date : 29 June 2026
Analytical Date : 29 June - 06 July 2026
Report Date : 07 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.579	57.0	1.490	51.0	0.701	47.0	50 < f ≤ 100	15.100
03.00 p.m. - 04.00 p.m.	0.575	5.4	0.694	6.9	0.891	6.1	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	0.497	6.1	0.662	7.0	0.709	6.2	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	< 0.127	5.3	0.567	3.9	0.150	6.0	f ≤ 10	5.000
08.00 p.m. - 09.00 p.m.	< 0.127	6.8	0.544	5.3	0.252	7.8	f ≤ 10	5.000
09.00 p.m. - 10.00 p.m.	0.236	7.2	0.670	5.6	0.402	6.5	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	0.347	8.5	0.820	4.9	0.276	7.9	f ≤ 10	5.000
12.00 a.m. - 01.00 a.m.	0.197	11.0	0.575	3.7	0.244	8.8	f ≤ 10	5.000
01.00 a.m. - 02.00 a.m.	0.252	11.0	0.536	9.8	0.197	13.0	f ≤ 10	5.000
02.00 a.m. - 03.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
03.00 a.m. - 04.00 a.m.	0.221	13.0	0.560	4.7	0.166	8.1	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	0.284	6.1	0.765	4.9	0.260	6.6	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	0.339	11.0	0.686	3.8	0.236	6.8	f ≤ 10	5.000
06.00 a.m. - 07.00 a.m.	0.205	8.0	0.544	5.0	0.173	9.5	f ≤ 10	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.772	3.5	0.528	6.2	0.520	4.9	f ≤ 10	5.000
09.00 a.m. - 10.00 a.m.	1.064	5.6	1.600	6.5	1.293	5.8	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	1.174	12.0	1.947	13.0	1.347	12.0	10 < f ≤ 50	5.750
11.00 a.m. - 12.00 p.m.	0.804	5.8	1.789	7.9	1.513	4.4	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	1.474	3.7	2.002	8.4	1.568	12.0	f ≤ 10	5.000
01.00 p.m. - 02.00 p.m.	0.772	5.6	1.568	8.7	1.009	9.3	f ≤ 10	5.000
24 Hour Maximum	-	-	2.002	8.4	-	-	f ≤ 10	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 §, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชซิเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชัน
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/28
Sample Type : Vibration
Sampling Date : 27 - 28 June 2026
Received Date : 29 June 2026
Analytical Date : 29 June - 06 July 2026
Report Date : 07 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	1.647	> 100	4.595	64.0	1.529	64.0	50 < f ≤ 100	16.400
03.00 p.m. - 04.00 p.m.	0.394	5.7	1.009	4.5	0.292	4.2	f ≤ 10	5.000
04.00 p.m. - 05.00 p.m.	0.820	4.7	0.780	4.1	0.867	4.8	f ≤ 10	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 p.m. - 08.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.292	6.8	0.701	5.5	0.292	6.2	f ≤ 10	5.000
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	0.307	11.0	0.481	8.5	0.536	8.3	f ≤ 10	5.000
02.00 a.m. - 03.00 a.m.	0.205	3.0	0.662	3.4	0.339	3.0	f ≤ 10	5.000
03.00 a.m. - 04.00 a.m.	0.142	10.0	0.591	3.8	0.213	3.9	f ≤ 10	5.000
04.00 a.m. - 05.00 a.m.	0.189	5.0	0.528	4.0	0.189	3.3	f ≤ 10	5.000
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	0.244	3.6	0.701	3.9	0.236	3.7	f ≤ 10	5.000
07.00 a.m. - 08.00 a.m.	0.189	4.3	0.623	3.7	0.181	4.1	f ≤ 10	5.000
08.00 a.m. - 09.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 a.m. - 10.00 a.m.	0.150	10.0	0.583	4.3	0.158	3.4	f ≤ 10	5.000
10.00 a.m. - 11.00 a.m.	0.158	4.2	0.536	3.9	0.173	3.7	f ≤ 10	5.000
11.00 a.m. - 12.00 p.m.	0.284	5.2	0.891	4.7	0.260	5.8	f ≤ 10	5.000
12.00 p.m. - 01.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 p.m. - 02.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
24 Hour Maximum	-	-	4.595	64.0	-	-	50 < f ≤ 100	16.400

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200



Reviewed Signatory

บริษัท เซ็นทรัลพัฒนา จำกัด

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/29
Sample Type : Vibration
Sampling Date : 28 - 29 June 2026
Received Date : 30 June 2026
Analytical Date : 30 June - 06 July 2026
Report Date : 07 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.134	5.7	0.560	5.0	0.150	5.9	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 p.m. - 05.00 p.m.	0.134	4.3	0.662	3.9	0.166	3.7	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 p.m. - 07.00 p.m.	0.260	13.0	0.528	6.6	0.189	6.2	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.426	57.0	0.812	51.0	0.284	6.7	$50 < f \leq 100$	15.100
08.00 p.m. - 09.00 p.m.	0.252	10.0	0.780	5.6	0.307	6.0	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	0.197	64.0	0.504	37.0	0.307	43.0	$10 < f \leq 50$	11.750
10.00 p.m. - 11.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
11.00 p.m. - 12.00 a.m.	0.331	43.0	0.646	73.0	0.402	8.0	$50 < f \leq 100$	17.300
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.449	15.0	0.835	9.3	0.741	5.8	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	0.583	4.5	0.552	27.0	0.497	5.6	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	0.378	39.0	0.536	57.0	0.386	32.0	$50 < f \leq 100$	15.700
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.717	4.5	0.985	5.8	0.631	5.2	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.512	5.0	0.977	6.6	0.623	8.1	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.583	3.8	0.962	9.5	1.380	11.0	$10 < f \leq 50$	5.250
11.00 a.m. - 12.00 p.m.	0.567	4.7	1.048	5.8	1.387	5.3	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.504	4.8	0.725	5.8	0.977	4.8	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.796	51.0	1.364	39.0	0.583	5.4	$10 < f \leq 50$	12.250
24 Hour Maximum	-	-	-	-	1.387	5.3	$f \leq 10$	5.000

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Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory 

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/30
Sample Type : Vibration
Sampling Date : 29 - 30 June 2026
Received Date : 01 July 2026
Analytical Date : 01 - 06 July 2026
Report Date : 07 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.599	4.1	1.277	8.8	1.088	5.1	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.497	3.1	1.364	8.5	0.977	4.5	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	0.954	5.2	1.608	8.7	1.387	17.0	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.599	4.2	1.001	5.2	0.796	9.3	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.709	3.7	1.127	7.5	1.167	5.5	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.489	4.3	1.017	47.0	0.804	6.8	$10 < f \leq 50$	14.250
08.00 p.m. - 09.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
09.00 p.m. - 10.00 p.m.	0.394	4.0	0.512	37.0	0.623	8.5	$f \leq 10$	5.000
10.00 p.m. - 11.00 p.m.	0.599	4.3	0.441	6.5	0.670	3.9	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
12.00 a.m. - 01.00 a.m.	0.686	5.3	0.804	28.0	0.599	22.0	$10 < f \leq 50$	9.500
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.772	3.7	0.489	6.1	0.552	3.3	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	0.560	3.9	0.599	6.6	0.709	5.3	$f \leq 10$	5.000
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
07.00 a.m. - 08.00 a.m.	0.733	4.5	0.765	6.5	0.883	3.9	$f \leq 10$	5.000
08.00 a.m. - 09.00 a.m.	0.914	7.9	0.975	11.0	0.828	6.2	$10 < f \leq 50$	5.250
09.00 a.m. - 10.00 a.m.	0.552	3.8	1.072	7.6	0.938	8.8	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.607	3.8	0.883	10.0	1.261	6.8	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.765	9.0	0.867	6.4	0.906	7.0	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.717	4.2	0.804	8.8	0.977	2.9	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.843	17.0	1.364	9.0	1.844	13.0	$10 < f \leq 50$	5.750
24 Hour Maximum	-	-	-	-	1.844	13.0	$10 < f \leq 50$	5.750

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 4, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory



TNP ENVIRONMENT CO.,LTD.

เลขที่ 332/173 หมู่ 3 ตำบลบางรักพัฒนา อำเภอบางบัวทอง จังหวัดนนทบุรี 11110 โทรศัพท์: 02-156-8273

E-mail: tnp.envi@gmail.com เลขประจำตัวผู้เสียภาษี 0125560008957 สำนักงานใหญ่

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรชชีเด็นซ์ จำกัด
Project Name : โครงการ ฟील พหลา 59 สเตชั่น
(Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน
กรุงเทพมหานคร
Sampling Point : พื้นที่โครงการ
GPS. Coordinate : 47 P 672913 E 1535288 N
Measurement By : TNP ENVIRONMENT CO.,LTD.

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/31
Sample Type : Vibration
Sampling Date : 30 June - 01 July 2026
Received Date : 02 July 2026
Analytical Date : 02 - 06 July 2026
Report Date : 07 July 2026
Measurement Method : Vibration Meter

Interval Time	Transverse		Vertical		Longitudinal		Standard	
	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	PPV (mm/s)	f (Hz)	f (Hz)	PPV (mm/s)
02.00 p.m. - 03.00 p.m.	0.875	7.0	0.883	8.0	1.033	3.7	$f \leq 10$	5.000
03.00 p.m. - 04.00 p.m.	0.733	7.8	0.977	6.8	1.245	4.0	$f \leq 10$	5.000
04.00 p.m. - 05.00 p.m.	1.230	4.9	1.269	11.0	1.490	7.0	$f \leq 10$	5.000
05.00 p.m. - 06.00 p.m.	0.914	8.7	1.427	6.6	1.285	8.8	$f \leq 10$	5.000
06.00 p.m. - 07.00 p.m.	0.638	4.4	1.947	6.4	1.009	4.9	$f \leq 10$	5.000
07.00 p.m. - 08.00 p.m.	0.205	6.0	0.575	5.2	0.173	5.9	$f \leq 10$	5.000
08.00 p.m. - 09.00 p.m.	0.197	5.9	0.552	5.6	0.134	4.7	$f \leq 10$	5.000
09.00 p.m. - 10.00 p.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
10.00 p.m. - 11.00 p.m.	0.221	12.0	0.875	4.4	0.236	4.6	$f \leq 10$	5.000
11.00 p.m. - 12.00 a.m.	0.173	9.0	0.544	3.8	0.181	4.5	$f \leq 10$	5.000
12.00 a.m. - 01.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
01.00 a.m. - 02.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
02.00 a.m. - 03.00 a.m.	0.236	6.7	0.623	5.8	0.229	6.3	$f \leq 10$	5.000
03.00 a.m. - 04.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
04.00 a.m. - 05.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
05.00 a.m. - 06.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
06.00 a.m. - 07.00 a.m.	0.307	2.9	0.512	3.6	0.292	3.5	$f \leq 10$	5.000
07.00 a.m. - 08.00 a.m.	N/A	N/A	N/A	N/A	N/A	N/A	-	-
08.00 a.m. - 09.00 a.m.	0.922	4.5	0.899	7.8	0.930	7.0	$f \leq 10$	5.000
09.00 a.m. - 10.00 a.m.	0.694	4.6	0.962	5.8	1.001	6.0	$f \leq 10$	5.000
10.00 a.m. - 11.00 a.m.	0.520	4.1	0.985	6.0	1.127	8.8	$f \leq 10$	5.000
11.00 a.m. - 12.00 p.m.	0.796	4.8	1.356	6.7	1.395	2.8	$f \leq 10$	5.000
12.00 p.m. - 01.00 p.m.	0.646	4.3	1.253	4.3	1.103	5.1	$f \leq 10$	5.000
01.00 p.m. - 02.00 p.m.	0.765	3.7	0.985	6.9	1.230	6.0	$f \leq 10$	5.000
24 Hour Maximum	-	-	1.947	6.4	-	-	$f \leq 10$	5.000

Standard : Notification of National Environmental Board No. 37 B.E. 2553 (2010), Under the Enhancement and Conservation of National Environmental Quality Act B.E. 2535 (1992) published in the Royal Government Gazette No. 127 Special Part 69 ง, dated June 2 B.E. 2553 (2010)

Remark : N/A = Not Applicable (Frequency < 1.0 Hz, Velocity < 0.127 mm/sec),
PPV = Peak Particle Velocity, f = Frequency, mm/sec = millimeter/second, Hz = Hertz
Model and Serial No. : 721A2601 and S/N UM22200

Reviewed Signatory

Approved Signatory

ภาคผนวก ง4

คุณภาพน้ำทิ้ง



ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
 Project Name : โครงการ ฟील พหลา 59 สเตชัน (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน กรุงเทพมหานคร
 Sampling Point : ระบบบำบัดน้ำเสียบริเวณพื้นที่ก่อสร้าง
 GPS. Coordinate : 47 P 672922 E 1535289 N
 Sampling By : TNP ENVIRONMENT CO.,LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/1
 Sample Type : Wastewater
 Sampling Date : 16 March 2026
 Sampling Time : 01.21 p.m.
 Received Date : 17 March 2026
 Analytical Date : 17 - 27 March 2026
 Report Date : 30 March 2026

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 24.4 °C	-	Electrometric Method (4500-H ⁺ B)	7.6	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	35.4	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	175	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	8.8	≤ 30
Oil & Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	< 0.60	≤ 1.0
Total Kjeldahl Nitrogen ^{*, 3/}	mg/L	APHA:4500-Norg (B) ^{2/}	< 0.28	≤ 35
Sample Appearance		Yellow/Turbid/Sediment/Odorless		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024), Building type B.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 23rd edition 2017.

^{3/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

* This Item is out the scope ISO/IEC 17025:2017 Accreditation.



Analyst

Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรซิดेंซ์ จำกัด
Project Name : โครงการ ฟील พหลฯ 59 สเตชัน (Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน กรุงเทพมหานคร
Sampling Point : ระบบบำบัดน้ำเสียบริเวณพื้นที่ก่อสร้าง
GPS. Coordinate : 47 P 672922 E 1535289 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/1
Sample Type : Wastewater
Sampling Date : 30 April 2026
Sampling Time : 01.21 p.m.
Received Date : 01 May 2026
Analytical Date : 01 - 16 May 2026
Report Date : 18 May 2026

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 25.0 °C	-	Electrometric Method (4500-H ⁺ B)	7.4	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	< 5.0	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	211	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Azide Modification Method (4500-O C, 5210 B)	< 2.0	≤ 30
Oil & Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	< 0.60	≤ 1.0
Total Kjeldahl Nitrogen *, ^{2/}	mg/L	APHA:4500-Norg (B) ^{2/}	< 0.28	≤ 35
Sample Appearance		Yellow/Clear/Little Sediment/Odorless		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024), Building type B.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 23rd edition 2017.

^{3/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



Analyst

Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เซ็นทรัลพัฒนา เรจิดเ็นซ์ จำกัด
 Project Name : โครงการ ที่ล พหลฯ 59 สเตชั่น (Phyll Phahon 59 Station)
 Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน กรุงเทพมหานคร
 Sampling Point : ระบบบำบัดน้ำเสียบริเวณพื้นที่ก่อสร้าง
 GPS. Coordinate : 47 P 672896 E 1535261 N
 Sampling By : TNP ENVIRONMENT CO.,LTD.
 Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : S69047
 Sample No. : S69047/1
 Sample Type : Wastewater
 Sampling Date : 22 May 2026
 Sampling Time : 12.56 p.m.
 Received Date : 23 May 2026
 Analytical Date : 23 May - 09 June 2026
 Report Date : 10 June 2026

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 24.5 °C	-	Electrometric Method (4500-H ⁺ B)	8.2	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	14.2	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	141	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Azide Modification Method (4500-O C, 5210 B)	< 2.0	≤ 30
Oil & Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	< 0.60	≤ 1.0
Total Kjeldahl Nitrogen *, ^{3/}	mg/L	APHA:4500-Norg (B) ^{2/}	< 0.28	≤ 35
Sample Appearance		Clear/Little Sediment/Odorless		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024), Building type B.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 23rd edition 2017.

^{3/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

* This item is out the scope ISO/IEC 17025:2017 Accreditation.



Analyst

Laboratory Manager

ANALYSIS REPORT

Data Provided by Customer

Customer Name : บริษัท เจ็นทรัลพัฒนา เรซซิเดนซ์ จำกัด
Project Name : โครงการ ฟิล พหลฯ 59 สเตชัน (Phyll Phahon 59 Station)
Address Project : ถนนพหลโยธิน แขวงอนุสาวรีย์ เขตบางเขน กรุงเทพมหานคร
Sampling Point : ระบบบำบัดน้ำเสียบริเวณพื้นที่ก่อสร้าง
GPS. Coordinate : 47 P 672927 E 1535291 N
Sampling By : TNP ENVIRONMENT CO.,LTD.
Sampling Method : Grab Sampling

Data Provided by Laboratory

Report No. : S69047
Sample No. : S69047/1
Sample Type : Wastewater
Sampling Date : 30 June 2026
Sampling Time : 02.30 p.m.
Received Date : 01 July 2026
Analytical Date : 01 - 14 July 2026
Report Date : 15 July 2026

Parameter	Unit	Analytical Method ^{1/}	Result	Standard
pH at 24.0 °C	-	Electrometric Method (4500-H ⁺ B)	7.9	5.5-9.0
Total Suspended Solids	mg/L	Dried at 103-105 °C (2540 D)	< 5.0	≤ 40
Total Dissolved Solids	mg/L	Dried at 180 °C (2540 C)	240	≤ 1,000
Biochemical Oxygen Demand *	mg/L	5-Day BOD Test, Membrane Electrode Method (4500-O G, 5210 B)	< 2.0	≤ 30
Oil & Grease *	mg/L	Liquid-Liquid Partition Gravimetric Method (5520 B)	< 2.0	≤ 20
Sulfide *	mg/L	Iodometric Method (4500-S ²⁻ F)	< 0.60	≤ 1.0
Total Kjeldahl Nitrogen ^{*, 3/}	mg/L	APHA:4500-Norg (B) ^{2/}	< 0.28	≤ 35
Sample Appearance		Yellow/Clear/Little Sediment/Odorless		

Standard : Notification of the Ministry of Natural Resources and Environment, under Enhancement and Conservation of National Environmental Quality Act, B.E. 2567 (2024), Building type B.

Remark ^{1/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 24th edition 2023.

^{2/} Standard Methods for the Examination of Water and Wastewater., APHA, AWWA, WEF, 23rd edition 2017.

^{3/} Analyzed by Environment & Laboratory Co.,Ltd. Registration number Wo-029.

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Analyst

Laboratory Manager