

ภาคผนวก ค

สำเนาใบรับรองผลการตรวจวิเคราะห์

ภาคผนวก ค-1

คุณภาพอากาศในบรรยากาศโดยทั่วไป ระหว่างเดือนกรกฎาคม-ธันวาคม พ.ศ. 2565

ANALYSIS REPORT

PROJECT NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED ((QUARRY MKB2 33319/16003))
CUSTOMER NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED
ADDRESS : 99,219,301 MOO 9,5,5, MITRAPARB ROAD TABKWANG KAENGKOI SARABURI 18260
CONTACT INFORMATION : TEL : 08 1929 1310 e-mail : PIYAWAT.PHOTIMONGKONKUL@SIAMCITYCEMENT.COM
SAMPLING SOURCE : ANUBAN TUBKWANG SCHOOL
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR UTHAI KAEWRAKMOOK
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : DECEMBER 19, 2022
ANALYTICAL DATE : DECEMBER 19-22, 2022
REPORT NO. : 2022-U102708
WORK NO. : 2021-001119
ANALYSIS NO. : T22AZ315-0001 - T22AZ315-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			ANUBAN TUBKWANG SCHOOL		
			* T22AZ315-0001	** T22AZ315-0002	*** T22AZ315-0003
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.120	0.124	0.156
PARTICULATE MATTER (≤ 10 µm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.042	0.035	0.028
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
* : SAMPLING FROM 08:30 HOUR ON DECEMBER 15, 2022 TO 08:30 HOUR ON DECEMBER 16, 2022.
** : SAMPLING FROM 08:30 HOUR ON DECEMBER 16, 2022 TO 08:30 HOUR ON DECEMBER 17, 2022.
*** : SAMPLING FROM 08:30 HOUR ON DECEMBER 17, 2022 TO 08:30 HOUR ON DECEMBER 18, 2022.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

DECEMBER 28, 2022



ANALYSIS REPORT

PROJECT NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED ((QUARRY MKB2 33319/16003))
CUSTOMER NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED
ADDRESS : 99,219,301 MOO 9,5,5, MITRAPARB ROAD TABKWANG KAENGKOI SARABURI 18260
CONTACT INFORMATION : TEL : 08 1929 1310 e-mail : PIYAWAT.PHOTIMONGKONKUL@SIAMCITYCEMENT.COM
SAMPLING SOURCE : BAN CHAROENPORN
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR UTHAI KAEWRAKMOOK
ANALYZED BY : MISS JETJARIN TUMSA-AT
RECEIVED DATE : DECEMBER 19, 2022
ANALYTICAL DATE : DECEMBER 19-22, 2022
REPORT NO. : 2022-U102709
WORK NO. : 2021-001119
ANALYSIS NO. : T22AZ315-0004 - T22AZ315-0006

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			BAN CHAROENPORN		
			* T22AZ315-0004	** T22AZ315-0005	*** T22AZ315-0006
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.088	0.116	0.150
PARTICULATE MATTER (≤ 10 μm)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.024	0.060	0.067
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
* : SAMPLING FROM 09:00 HOUR ON DECEMBER 15, 2022 TO 09:00 HOUR ON DECEMBER 16, 2022.
** : SAMPLING FROM 09:00 HOUR ON DECEMBER 16, 2022 TO 09:00 HOUR ON DECEMBER 17, 2022.
*** : SAMPLING FROM 09:00 HOUR ON DECEMBER 17, 2022 TO 09:00 HOUR ON DECEMBER 18, 2022.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

DECEMBER 28, 2022



ANALYSIS REPORT

PROJECT NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED ((QUARRY MKB2 33319/16003))
CUSTOMER NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED
ADDRESS : 99,219,301 MOO 9,5,5, MITRAPARB ROAD TABKWANG KAENGKOI SARABURI 18260
CONTACT INFORMATION : TEL : 08 1929 1310 e-mail : PIYAWAT.PHOTIMONGKONKUL@SIAMCITYCEMENT.COM
SAMPLING SOURCE : BAN PAN DIN THONG
SAMPLE TYPE : AMBIENT
SAMPLING DATE : *, **, ***
SAMPLING TIME : *, **, ***
SAMPLING BY : MR UTHAI KAEWRAKMOOK
ANALYZED BY : MISS JETJARI TUMSA-AT
RECEIVED DATE : DECEMBER 19, 2022
ANALYTICAL DATE : DECEMBER 19-22, 2022
REPORT NO. : 2022-U102710
WORK NO. : 2021-001119
ANALYSIS NO. : T22AZ315-0007 - T22AZ315-0009

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			BAN PAN DIN THONG		
			* T22AZ315-0007	** T22AZ315-0008	*** T22AZ315-0009
TOTAL SUSPENDED PARTICULATE	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.091	0.090	0.119
PARTICULATE MATTER ($\leq 10 \mu\text{m}$)	mg/m ³	GRAVIMETRIC (HIGH VOLUME METHOD)	0.039	0.046	0.048
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.
* : SAMPLING FROM 09:30 HOUR ON DECEMBER 15, 2022 TO 09:30 HOUR ON DECEMBER 16, 2022.
** : SAMPLING FROM 09:30 HOUR ON DECEMBER 16, 2022 TO 09:30 HOUR ON DECEMBER 17, 2022.
*** : SAMPLING FROM 09:30 HOUR ON DECEMBER 17, 2022 TO 09:30 HOUR ON DECEMBER 18, 2022.

Budsakorn ✓

(MISS BUDSAKORN LERDPANUMAS)
LABORATORY SUPERVISOR

DECEMBER 28, 2022



ภาคผนวก ค-2

ระดับเสียงโดยทั่วไป ระหว่างเดือนกรกฎาคม-ธันวาคม พ.ศ. 2565

ANALYSIS REPORT

PROJECT NAME	: SIAM CITY CEMENT PUBLIC COMPANY LIMITED ((QUARRY MKB2 33319/16003)	RECEIVED DATE	: 15-18 ธันวาคม 2565
CUSTOMER NAME	: SIAM CITY CEMENT PUBLIC COMPANY LIMITED	ANALYTICAL DATE	: 15-18 ธันวาคม 2565
ADDRESS	: 99,219,301 MOO 9,5,5, MITRAPARB ROAD TABKWANG KAENGKOI SARABURI 18260	REPORT NO.	: 2022-U101547
CONTACT INFORMATION	: TEL : 08 1929 1310 e-mail : PIYAWAT.PHOTIMONGKONKUL@SIAMCITYCEMENT.COM	WORK NO.	: 2021-001119
MEASURING SOURCE	: ANUBAN TUBKWANG SCHOOL	ANALYSIS NO.	: T22AZ315-0010 - T22AZ315-0012
MEASURING TYPE	: AMBIENT (NOISE)		
MEASURING DATE	: DECEMBER 15, 2022		
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MR UTHAI KAEWRAMMOOK		

TIME*	RESULT dB(A)		
	ANUBAN TUBKWANG SCHOOL		
	DECEMBER 15 - 16, 2022		
	T22AZ315-0010		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	49.9	54.8	48.4
08:00-09:00 HOUR	51.1	68.6	48.0
09:00-10:00 HOUR	51.4	69.2	48.8
10:00-11:00 HOUR	50.2	63.0	47.9
11:00-12:00 HOUR	51.6	64.3	48.6
12:00-13:00 HOUR	61.1	77.7	54.3
13:00-14:00 HOUR	57.8	75.9	53.2
14:00-15:00 HOUR	57.3	76.3	52.1
15:00-16:00 HOUR	54.1	75.5	51.3
16:00-17:00 HOUR	57.0	73.2	52.3
17:00-18:00 HOUR	56.1	72.7	52.3
18:00-19:00 HOUR	54.9	76.4	51.4
19:00-20:00 HOUR	54.1	66.4	51.9
20:00-21:00 HOUR	53.4	63.4	51.5
21:00-22:00 HOUR	53.3	67.0	51.2
22:00-23:00 HOUR	52.2	60.4	50.4
23:00-00:00 HOUR	52.8	79.7	50.1
00:00-01:00 HOUR	51.9	59.8	50.3
01:00-02:00 HOUR	53.1	60.3	51.4
02:00-03:00 HOUR	52.5	60.2	50.8
03:00-04:00 HOUR	52.5	62.3	50.5
04:00-05:00 HOUR	53.4	65.9	51.2
05:00-06:00 HOUR	53.2	66.0	51.0
06:00-07:00 HOUR	52.6	65.6	50.9
L _{Aeq} 24 hours		54.6	



TIME*	RESULT dB(A)		
	ANUBAN TUBKWANG SCHOOL		
	DECEMBER 16 - 17, 2022		
	T22AZ315-0011		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	53.2	62.1	51.1
08:00-09:00 HOUR	55.6	69.0	51.2
09:00-10:00 HOUR	54.3	64.7	50.1
10:00-11:00 HOUR	51.9	59.1	50.0
11:00-12:00 HOUR	51.1	58.2	49.5
12:00-13:00 HOUR	51.3	58.0	49.7
13:00-14:00 HOUR	50.4	63.8	48.7
14:00-15:00 HOUR	55.6	77.7	48.4
15:00-16:00 HOUR	51.1	57.2	49.6
16:00-17:00 HOUR	51.5	65.6	49.5
17:00-18:00 HOUR	58.2	79.7	48.7
18:00-19:00 HOUR	51.0	58.2	49.0
19:00-20:00 HOUR	50.7	59.5	48.8
20:00-21:00 HOUR	51.9	72.6	48.8
21:00-22:00 HOUR	51.9	67.9	49.2
22:00-23:00 HOUR	51.5	64.5	49.2
23:00-00:00 HOUR	51.7	66.5	49.7
00:00-01:00 HOUR	52.3	67.9	50.1
01:00-02:00 HOUR	54.1	66.8	51.6
02:00-03:00 HOUR	55.0	72.7	52.5
03:00-04:00 HOUR	54.6	67.7	51.8
04:00-05:00 HOUR	55.1	66.5	51.5
05:00-06:00 HOUR	54.0	70.9	50.9
06:00-07:00 HOUR	54.5	72.9	50.9
L _{Aeq} 24 hours		53.5	

TIME*	RESULT dB(A)		
	ANUBAN TUBKWANG SCHOOL		
	DECEMBER 17 - 18, 2022		
	T22AZ315-0012		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	54.7	68.4	52.7
08:00-09:00 HOUR	56.2	72.5	53.1
09:00-10:00 HOUR	52.1	62.5	49.8
10:00-11:00 HOUR	55.2	76.0	52.3
11:00-12:00 HOUR	59.7	79.4	52.8
12:00-13:00 HOUR	60.1	79.3	52.3
13:00-14:00 HOUR	60.5	78.7	52.5
14:00-15:00 HOUR	52.6	63.8	49.9
15:00-16:00 HOUR	59.4	78.8	49.4
16:00-17:00 HOUR	52.5	68.6	49.2
17:00-18:00 HOUR	51.9	69.0	48.7
18:00-19:00 HOUR	52.3	71.1	48.3
19:00-20:00 HOUR	54.6	77.8	48.3
20:00-21:00 HOUR	50.3	62.9	48.8
21:00-22:00 HOUR	51.9	62.6	50.0
22:00-23:00 HOUR	52.5	68.2	50.7
23:00-00:00 HOUR	52.4	64.1	50.6
00:00-01:00 HOUR	52.6	63.2	50.6
01:00-02:00 HOUR	52.9	62.6	50.5
02:00-03:00 HOUR	64.7	67.6	51.2
03:00-04:00 HOUR	51.0	63.3	49.1
04:00-05:00 HOUR	50.4	68.5	48.1
05:00-06:00 HOUR	50.4	59.1	49.1
06:00-07:00 HOUR	53.8	59.8	51.5
L _{Aeq} 24 hours		56.5	

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

DECEMBER 27, 2022

ANALYSIS REPORT

PROJECT NAME	: SIAM CITY CEMENT PUBLIC COMPANY LIMITED ((QUARRY MKB2 33319/16003)	RECEIVED DATE	: 15-18 ธันวาคม 2565
CUSTOMER NAME	: SIAM CITY CEMENT PUBLIC COMPANY LIMITED	ANALYTICAL DATE	: 15-18 ธันวาคม 2565
ADDRESS	: 99,219,301 MOO 9,5,5, MITRAPARB ROAD TABKWANG KAENGKOI SARABURI 18260	REPORT NO.	: 2022-U101548
CONTACT INFORMATION	: TEL : 08 1929 1310 e-mail : PIYAWAT.PHOTIMONGKONKUL@SIAMCITYCEMENT.COM	WORK NO.	: 2021-001119
MEASURING SOURCE	: BAN CHAROENPORN	ANALYSIS NO.	: T22AZ315-0013 - T22AZ315-0015
MEASURING TYPE	: AMBIENT (NOISE)		
MEASURING DATE	: DECEMBER 15, 2022		
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MR UTHAI KAEWRAMOOK		

TIME*	RESULT dB(A)		
	BAN CHAROENPORN		
	DECEMBER 15 - 16, 2022		
	T22AZ315-0013		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	57.8	76.9	55.3
08:00-09:00 HOUR	58.1	75.6	55.4
09:00-10:00 HOUR	58.7	79.7	54.7
10:00-11:00 HOUR	55.6	75.4	54.1
11:00-12:00 HOUR	56.0	71.4	54.5
12:00-13:00 HOUR	56.1	72.6	54.4
13:00-14:00 HOUR	55.4	71.3	53.7
14:00-15:00 HOUR	56.1	74.3	54.0
15:00-16:00 HOUR	56.0	75.8	53.6
16:00-17:00 HOUR	54.4	68.5	52.4
17:00-18:00 HOUR	54.9	75.8	50.8
18:00-19:00 HOUR	54.0	71.0	51.5
19:00-20:00 HOUR	53.8	77.0	51.0
20:00-21:00 HOUR	54.8	69.8	51.5
21:00-22:00 HOUR	55.6	73.1	52.2
22:00-23:00 HOUR	59.7	82.9	53.2
23:00-00:00 HOUR	61.4	80.0	56.4
00:00-01:00 HOUR	58.1	78.3	54.1
01:00-02:00 HOUR	56.3	72.2	53.5
02:00-03:00 HOUR	57.2	76.9	54.8
03:00-04:00 HOUR	57.0	71.8	54.7
04:00-05:00 HOUR	58.7	83.8	54.5
05:00-06:00 HOUR	55.3	67.5	52.7
06:00-07:00 HOUR	59.2	79.4	52.3
L _{Aeq} 24 hours		57.1	



TIME*	RESULT dB(A)		
	BAN CHAROENPORN		
	DECEMBER 16 - 17, 2022		
	T22AZ315-0014		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	55.1	71.1	52.6
08:00-09:00 HOUR	56.2	77.5	52.9
09:00-10:00 HOUR	57.1	78.5	54.1
10:00-11:00 HOUR	55.1	70.2	53.7
11:00-12:00 HOUR	54.2	73.4	52.8
12:00-13:00 HOUR	54.3	76.7	52.5
13:00-14:00 HOUR	53.8	76.1	52.4
14:00-15:00 HOUR	53.9	69.1	52.4
15:00-16:00 HOUR	54.1	69.6	52.1
16:00-17:00 HOUR	53.1	73.7	51.7
17:00-18:00 HOUR	54.4	83.5	51.3
18:00-19:00 HOUR	54.2	80.6	51.4
19:00-20:00 HOUR	53.4	69.3	51.7
20:00-21:00 HOUR	55.4	69.5	51.8
21:00-22:00 HOUR	56.5	72.3	52.8
22:00-23:00 HOUR	58.0	75.2	54.0
23:00-00:00 HOUR	58.9	76.8	56.0
00:00-01:00 HOUR	57.9	74.7	55.0
01:00-02:00 HOUR	57.2	71.0	55.2
02:00-03:00 HOUR	56.6	75.4	54.7
03:00-04:00 HOUR	56.3	82.9	53.7
04:00-05:00 HOUR	58.0	80.6	53.1
05:00-06:00 HOUR	54.3	70.5	51.6
06:00-07:00 HOUR	54.3	69.6	52.2
L _{Aeq} 24 hours		55.8	

TIME*	RESULT dB(A)		
	BAN CHAROENPORN		
	DECEMBER 17 - 18, 2022		
	T22AZ315-0015		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	56.4	79.0	52.6
08:00-09:00 HOUR	57.4	77.7	53.4
09:00-10:00 HOUR	57.9	78.5	54.5
10:00-11:00 HOUR	55.1	71.1	53.4
11:00-12:00 HOUR	55.3	69.6	54.0
12:00-13:00 HOUR	54.7	68.9	53.4
13:00-14:00 HOUR	54.3	70.1	53.1
14:00-15:00 HOUR	55.0	68.7	53.2
15:00-16:00 HOUR	54.4	68.5	53.0
16:00-17:00 HOUR	53.5	65.5	52.3
17:00-18:00 HOUR	52.8	67.9	51.2
18:00-19:00 HOUR	53.6	67.4	51.2
19:00-20:00 HOUR	53.1	69.0	51.1
20:00-21:00 HOUR	54.5	69.1	52.0
21:00-22:00 HOUR	56.0	72.0	53.3
22:00-23:00 HOUR	58.1	77.3	54.3
23:00-00:00 HOUR	60.4	78.7	55.8
00:00-01:00 HOUR	59.4	79.9	56.6
01:00-02:00 HOUR	59.2	77.1	56.7
02:00-03:00 HOUR	59.8	76.5	57.0
03:00-04:00 HOUR	59.3	76.4	56.6
04:00-05:00 HOUR	59.1	79.2	56.1
05:00-06:00 HOUR	58.2	73.0	56.0
06:00-07:00 HOUR	58.2	74.1	55.9
L _{Aeq} 24 hours		57.1	

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

DECEMBER 27, 2022

ANALYSIS REPORT

PROJECT NAME	: SIAM CITY CEMENT PUBLIC COMPANY LIMITED ((QUARRY MKB2 33319/16003)	RECEIVED DATE	: 15-18 ธันวาคม 2565
CUSTOMER NAME	: SIAM CITY CEMENT PUBLIC COMPANY LIMITED	ANALYTICAL DATE	: 15-18 ธันวาคม 2565
ADDRESS	: 99,219,301 MOO 9,5,5, MITRAPARB ROAD TABKWANG KAENGKOI SARABURI 18260	REPORT NO.	: 2022-U101549
CONTACT INFORMATION	: TEL : 08 1929 1310 e-mail : PIYAWAT.PHOTIMONGKONKUL@SIAMCITYCEMENT.COM	WORK NO.	: 2021-001119
MEASURING SOURCE	: BAN PAN DIN THONG	ANALYSIS NO.	: T22AZ315-0016 - T22AZ315-0018
MEASURING TYPE	: AMBIENT (NOISE)		
MEASURING DATE	: DECEMBER 15, 2022		
MEASURING TIME	: *		
MEASURING METHOD	: INTEGRATED SOUND LEVEL METER		
MEASURED BY	: MR UTHAI KAEWRAKMOOK		

TIME*	RESULT dB(A)		
	BAN PAN DIN THONG		
	DECEMBER 15 - 16, 2022		
	T22AZ315-0016		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	58.7	85.3	54.4
08:00-09:00 HOUR	56.7	73.8	54.0
09:00-10:00 HOUR	57.0	65.9	54.9
10:00-11:00 HOUR	57.0	72.7	54.5
11:00-12:00 HOUR	59.1	81.9	55.0
12:00-13:00 HOUR	55.7	70.5	54.5
13:00-14:00 HOUR	55.7	62.5	54.4
14:00-15:00 HOUR	56.7	70.8	54.9
15:00-16:00 HOUR	56.3	67.7	54.5
16:00-17:00 HOUR	55.5	66.5	53.7
17:00-18:00 HOUR	55.3	71.8	53.4
18:00-19:00 HOUR	54.4	65.0	52.4
19:00-20:00 HOUR	55.2	72.2	52.1
20:00-21:00 HOUR	54.7	66.3	53.0
21:00-22:00 HOUR	54.2	60.7	52.4
22:00-23:00 HOUR	56.5	75.1	52.6
23:00-00:00 HOUR	58.0	76.4	53.3
00:00-01:00 HOUR	62.3	87.1	54.1
01:00-02:00 HOUR	58.0	68.0	56.3
02:00-03:00 HOUR	57.0	70.7	55.0
03:00-04:00 HOUR	61.9	90.1	54.9
04:00-05:00 HOUR	56.2	76.5	53.9
05:00-06:00 HOUR	56.5	74.9	53.6
06:00-07:00 HOUR	56.1	72.7	53.1
L_{Aeq} 24 hours		57.4	



TIME*	RESULT dB(A)		
	BAN PAN DIN THONG		
	DECEMBER 16 - 17, 2022		
	T22AZ315-0017		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	55.4	70.2	52.6
08:00-09:00 HOUR	54.3	66.7	52.0
09:00-10:00 HOUR	56.0	92.5	52.3
10:00-11:00 HOUR	54.6	72.4	53.0
11:00-12:00 HOUR	55.3	70.1	53.8
12:00-13:00 HOUR	55.2	67.2	53.9
13:00-14:00 HOUR	56.8	76.5	54.1
14:00-15:00 HOUR	55.1	63.3	53.6
15:00-16:00 HOUR	55.6	65.9	54.1
16:00-17:00 HOUR	55.7	67.6	54.0
17:00-18:00 HOUR	55.6	69.5	53.6
18:00-19:00 HOUR	54.8	67.2	53.3
19:00-20:00 HOUR	55.2	73.5	53.2
20:00-21:00 HOUR	54.7	63.4	52.9
21:00-22:00 HOUR	55.3	63.7	53.0
22:00-23:00 HOUR	56.2	74.4	53.1
23:00-00:00 HOUR	58.0	75.3	54.1
00:00-01:00 HOUR	60.6	81.2	55.2
01:00-02:00 HOUR	59.1	81.2	56.6
02:00-03:00 HOUR	56.6	75.3	54.4
03:00-04:00 HOUR	60.6	85.9	53.7
04:00-05:00 HOUR	58.1	88.4	53.1
05:00-06:00 HOUR	54.7	78.6	52.0
06:00-07:00 HOUR	57.5	81.9	49.3
L _{Aeq} 24 hours		56.7	

TIME*	RESULT dB(A)		
	BAN PAN DIN THONG		
	DECEMBER 17 - 18, 2022		
	T22AZ315-0018		
	L _{Aeq} 1 hour	L _{Amax} 1 hour	L _{A90} 1 hour
07:00-08:00 HOUR	52.8	73.6	45.2
08:00-09:00 HOUR	48.9	65.6	44.8
09:00-10:00 HOUR	48.9	71.7	43.6
10:00-11:00 HOUR	50.7	68.6	45.2
11:00-12:00 HOUR	51.3	83.1	46.1
12:00-13:00 HOUR	56.3	68.2	50.3
13:00-14:00 HOUR	55.4	73.9	54.0
14:00-15:00 HOUR	55.7	65.5	54.2
15:00-16:00 HOUR	55.8	63.7	54.1
16:00-17:00 HOUR	55.7	65.6	54.1
17:00-18:00 HOUR	55.1	67.3	53.3
18:00-19:00 HOUR	54.5	62.8	53.0
19:00-20:00 HOUR	53.8	61.7	52.0
20:00-21:00 HOUR	54.2	63.7	52.6
21:00-22:00 HOUR	55.5	76.5	51.8
22:00-23:00 HOUR	54.6	60.4	53.0
23:00-00:00 HOUR	58.4	78.2	53.0
00:00-01:00 HOUR	59.7	88.6	53.1
01:00-02:00 HOUR	57.2	75.7	55.0
02:00-03:00 HOUR	62.0	86.7	57.2
03:00-04:00 HOUR	61.0	88.7	55.6
04:00-05:00 HOUR	56.9	76.5	54.4
05:00-06:00 HOUR	57.8	76.8	55.2
06:00-07:00 HOUR	58.7	74.4	56.6
L _{Aeq} 24 hours		56.6	

Sila Banjongjairuk

(MR SILA BANJONGJAIKUK)
LABORATORY SUPERVISOR

DECEMBER 27, 2022

ภาคผนวก ค-3

คุณภาพน้ำผิวดิน ระหว่างเดือนกรกฎาคม-ธันวาคม พ.ศ. 2565

ANALYSIS REPORT

PROJECT NAME	: SIAM CITY CEMENT PUBLIC COMPANY LIMITED ((QUARRY MKB1 33318/16002)_2016)		
CUSTOMER NAME	: SIAM CITY CEMENT PUBLIC COMPANY LIMITED		
ADDRESS	: 99,219,301 MOO 9,5,5, MITRAPARB ROAD TABKWANG KAENGKOI SARABURI 18260		
CONTACT INFORMATION	: TEL : 08 1929 1310 e-mail : PIYAWAT.PHOTIMONGKONKUL@SIAMCITYCEMENT.COM		
SAMPLING SOURCE	: -		
SAMPLE TYPE	: SURFACE WATER	RECEIVED DATE	: OCTOBER 27, 2022
SAMPLING DATE	: OCTOBER 27, 2022	ANALYTICAL DATE	: OCTOBER 27 - NOVEMBER 6, 2022
SAMPLING TIME	: 08:45 HOUR	REPORT NO.	: 2022-U087950
SAMPLING METHOD	: GRAB	WORK NO.	: 2021-001119
SAMPLING BY	: MR ANUSART SUAYDEE	ANALYSIS NO.	: T22AV348-0001
ANALYZED BY	: MISS AMONRAT PUTTALEE		

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			ผลของมาตรฐาน T22AV348-0001	
pH ^a	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	8.4 (27°C)	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: 2130 B)	650	0.1
TOTAL SUSPENDED SOLIDS ^a	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	359	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	590	25
TOTAL HARDNESS ^a	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: 2340 C)	306	4.0
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	112	0.3
METALS				
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0042	0.0003
CADMIUM ^c	mg/L Cd	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.002
IRON ^c	mg/L Fe	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	18.8	0.005



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			คลองมาบกระเบา T22AV348-0001	
LEAD ^c	mg/L Pb	IN-HOUSE METHOD: UAE.TP.SW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.003
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			YELLOW/TURBID BROWN	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Bhuchonk p.

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

NOVEMBER 9, 2022

ภาคผนวก ค-4

คุณภาพน้ำใต้ดิน ระหว่างเดือนกรกฎาคม-ธันวาคม พ.ศ. 2565

ANALYSIS REPORT

PROJECT NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED ((QUARRY MKB1 33318/16002)_2016)
CUSTOMER NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED
ADDRESS : 99,219,301 MOO 9,5,5, MITRAPARB ROAD TABKWANG KAENGKOI SARABURI 18260
CONTACT INFORMATION : TEL : 08 1929 1310 e-mail : PIYAWAT.PHOTIMONGKONKUL@SIAMCITYCEMENT.COM
SAMPLING SOURCE : -
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : NOVEMBER 16, 2022
SAMPLING TIME : 14:25 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR ANUSART SUAYDEE
ANALYZED BY : MISS ARIYA THARAROM

RECEIVED DATE : NOVEMBER 17, 2022
ANALYTICAL DATE : NOVEMBER 17-25, 2022
REPORT NO. : 2022-U094585
WORK NO. : 2021-001119
ANALYSIS NO. : T22AW932-0001

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			สถานีจ่ายน้ำประปาตมกวาง T22AW932-0001	
pH ^c	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H ⁺ B)	7.8 (28°C)	-
TURBIDITY ^c	NTU	NEPHELOMETRIC METHOD (SM: 2130 B)	0.4	0.1
TOTAL SUSPENDED SOLIDS ^c	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS ^b	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	454	25
TOTAL HARDNESS ^a	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: 2340 C)	365	4.0
SULPHATE ^c	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	34.4	0.3
METALS				
CADMIUM ^c	mg/L Cd	DIRECT AIR ACETYLENE FLAME METHOD (SM: 3111 B)	ND	0.002
IRON ^c	mg/L Fe	DIRECT AIR ACETYLENE FLAME METHOD (SM: 3111 B)	0.014	0.005
LEAD ^c	mg/L Pb	DIRECT AIR ACETYLENE FLAME METHOD (SM: 3111 B)	ND	0.003
ARSENIC ^c	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	0.0004	0.0003
SAMPLE CONDITION			COLOURLESS/CLEAR	
WATER'S COLOUR/TURBID				
SEDIMENT				

° : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

° : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

° : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

Bhuchonk p.

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

NOVEMBER 30, 2022



ANALYSIS REPORT

PROJECT NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED ((QUARRY MKB1 33318/16002)_2016)
CUSTOMER NAME : SIAM CITY CEMENT PUBLIC COMPANY LIMITED
ADDRESS : 99,219,301 MOO 9,5,5, MITRAPARB ROAD TABKWANG KAENGKOI SARABURI 18260
CONTACT INFORMATION : TEL : 08 1929 1310 e-mail : PIYAWAT.PHOTIMONGKONKUL@SIAMCITYCEMENT.COM
SAMPLING SOURCE : -
SAMPLE TYPE : GROUNDWATER
SAMPLING DATE : OCTOBER 27, 2022
SAMPLING TIME : 10:10 HOUR
SAMPLING METHOD ° : GRAB
SAMPLING BY ° : MR ANUSART SUAYDEE
ANALYZED BY : MISS PORNPIMOL WAENTHONG

RECEIVED DATE : OCTOBER 27, 2022
ANALYTICAL DATE : OCTOBER 27 - NOVEMBER 7, 2022
REPORT NO. : 2022-U087952
WORK NO. : 2021-001119
ANALYSIS NO. : T22AV348-0002

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			บ้านหัววังยาว T22AV348-0002	
pH °	-	ELECTROMETRIC METHOD AT SITE (SM:4500-H° B)	6.7 (28°C)	-
TURBIDITY °	NTU	NEPHELOMETRIC METHOD (SM: 2130 B)	0.4	0.1
TOTAL SUSPENDED SOLIDS °	mg/L	TOTAL SUSPENDED SOLIDS DRIED AT 103-105 °C (SM: 2540 D)	ND	5.0
TOTAL DISSOLVED SOLIDS °	mg/L	TOTAL DISSOLVED SOLIDS DRIED AT 180 °C (SM: 2540 C)	488	25
TOTAL HARDNESS °	mg/L as CaCO ₃	EDTA TITRIMETRIC METHOD (SM: 2340 C)	390	4.0
SULPHATE °	mg/L SO ₄ ²⁻	TURBIDIMETRIC METHOD (SM: 4500-SO ₄ ²⁻ E)	53.9	0.3
METALS				
ARSENIC °	mg/L As	HYDRIDE GENERATION AAS METHOD (SM: 3114 C)	ND	0.0003
CADMIUM °	mg/L Cd	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.002
IRON °	mg/L Fe	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	< LOQ	0.005



PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT	DETECTION LIMIT
			บ้านหัววังยาว T22AV348-0002	
LEAD ^c	mg/L Pb	IN-HOUSE METHOD: UAE.TP.GW.01 (NITRIC ACID DIGESTION AND DIRECT AIR ACETYLENE FLAME METHOD); SM: 3030 E AND 3111 B	ND	0.003
SAMPLE CONDITION WATER'S COLOUR/TURBID SEDIMENT			COLOURLESS/CLEAR	

^a : ISO/IEC 17025 ACCREDITED BY THAI INDUSTRIAL STANDARDS INSTITUTE (TISI)

^b : ISO/IEC 17025 ACCREDITED BY DEPARTMENT OF SCIENCE SERVICE (DSS)

^c : VERIFIED BY OWN LABORATORY QUALITY SYSTEM, BUT STILL NOT ACCREDITED

IN-HOUSE : BASED ON STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

SM : STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, APHA, AWWA, WEF, 23rd EDITION, 2017.

ND : NON-DETECTABLE.

< LOQ : < LIMIT OF QUANTITATION (IRON \geq 0.005 AND < 0.050 mg/L).

Bhuchonk

(MR BHUCHONK PANICHLERTUMPI)
LABORATORY SUPERVISOR

NOVEMBER 9, 2022