

Hoi An City, 05 July 2018

No.84/BQL

*Regarding: Report on Environmental Monitoring Results
during construction period of Project for Water Quality
Improvement for Japanese Bridge Area.*

To: The Japan International Cooperation Agency (JICA).

In order to follow commitments under Minutes of Discussion signed between Hoi An CPC and JICA dated on 11th December 2014, PMU for project for Water Quality Improvement for Japanese Bridge Area in Hoi An City would to make report on environmental monitoring results during construction period as follows:

I. Monitoring Results of Air Quality & Noise

1.1. Station Name:

No.	Location	Coordinate
01	Crossroad Nhị Trưng – Trần Hưng Đạo	N 15 ⁰ .52'.54" E 108 ⁰ .20'.54"

1.2. Time and measured value:

No.	Parameter	Unit	Time and Measured Value				QCVN
			20/6/17	20/9/17	13/11/17	12/3/18	
1	Temperature	°C	33,7	33,0	27,0	20,8	-
2	Humidity	%	55,4	64,8	76,4	71,6	-
3	Noise	dB(A)	57-63	64-73	67-73	64-72	70⁽¹⁾
4	TSP	mg/m ³	0,07	0,12	0,09	0,11	0,3⁽²⁾
5	CO	mg/m ³	6	7	8	6	30⁽²⁾
6	NO ₂	mg/m ³	0,011	0,017	0,010	0,032	0,2⁽²⁾
7	SO ₂	mg/m ³	0,020	0,032	0,072	0,068	0,35⁽²⁾

1.3. Comments:

Most of measured value have met the national technical regulation QCVN 05:2013/BTNMT; however, measured noise has exceeded the permissible limit under QCVN 26:2010/BTNMT (applied within 6am to 9pm). It is because of overloaded traffic volume.

II. Monitoring Results of Wastewater Quality

2.1. Station name:

No.	Location	Coordinate
01	Downstream area of STP (Reservoir)	N 15 ⁰ .52'.54" E 108 ⁰ .20'.54"

2.2. Time and measured value:

No.	Parameters	Unit	Time and Measured value				Environment standard QCVN 14 (Column B)
			20/6/17	20/9/17	13/11/17	12/3/18	
1	pH	-	7,2	6,5	7,32	6,92	5 - 9
2	Dissolved oxygen	mg/l	2,1	5,1	3,46	3,1	≥ 2
3	TSS	mg/l	31	32	43	18	1000
4	COD	mg/l	21	8	31	17	50
5	BOD ₅	mg/l	9,5	4,3	15	9,3	50
6	NH ₄ ⁺ - N	mg/l	3,50	0,21	4,66	2,45	10
7	NO ₃ ⁻ - N	mg/l	2,40	0,4	0,7	0,7	50
8	PO ₄ ³⁻ - P	mg/l	0,673	0,040	0,96	0,12	10
9	Coliforms	MPN/100 ml	4,3.10 ⁴	3,6.10 ⁴	2,3.10 ⁴	2,4.10 ₄	5000

2.3. Commentst:

- 8/9 of measured value indicate much lower value than permissible limit of the standard.

- 1/9 of measured value exceeds the permissible limit: Coliforms. It is because of domestic wastewater from residential areas which has been discharging into environment without treatment & disinfection.

III. Monitoring Results of Solid Waste

3.1. Location Name: STP area and sewers & drains.

3.2. Category: mainly sludge and construction waste

3.3. Time and measured value:

No	Time	Amount of Solid Waste	Unit	Disposal Site
1	11/4/17-30/6/17	2.000	m ³	

2	27/3/18-5/4/18	500	m ³	Lowland ground area near small handicraft industry complex of Thanh Ha Ward
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3.4. Comments:

Volume of solid waste has mainly made of sludge and construction waste due to excavation, canal dredging and demolition of existing structures. Such volume has been used to backfill/make leveling low ground area near small handicraft industry complex of Thanh Ha ward without causing environmental pollution while transportation and leveling.

Above is the report on environmental monitoring during construction of the project prepared by PMU for Water Quality Improvement for Japanese Bridge Area in Hoi An City.

Recipients:

- As above;
- Hoi An CPC (Report)
- DONRE;
- As filing.

DIRECTOR

(signed and sealed)

Phạm Văn Điều